

Appendix for Band 7

Report No.: BCTC2404921304-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

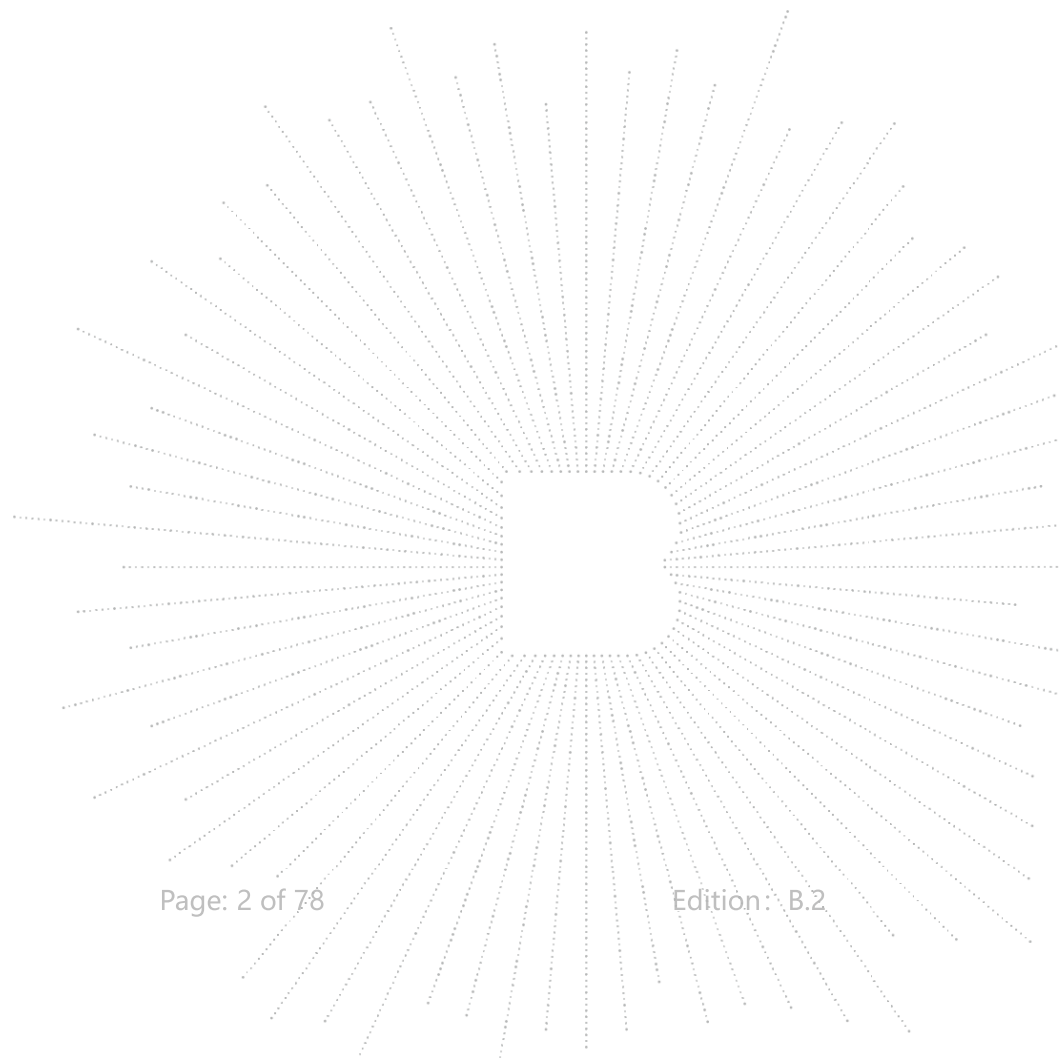
Test Model: F105

Tested Date: 2024-04-17 to 2024-05-20

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2. Frequency stability.....	8
Appendix 3. Peak-to-Average Ratio	17
Appendix 4. Occupied bandwidth	33
Appendix 5. Band edge	50
Appendix 6. Out-of-band emissions	62



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

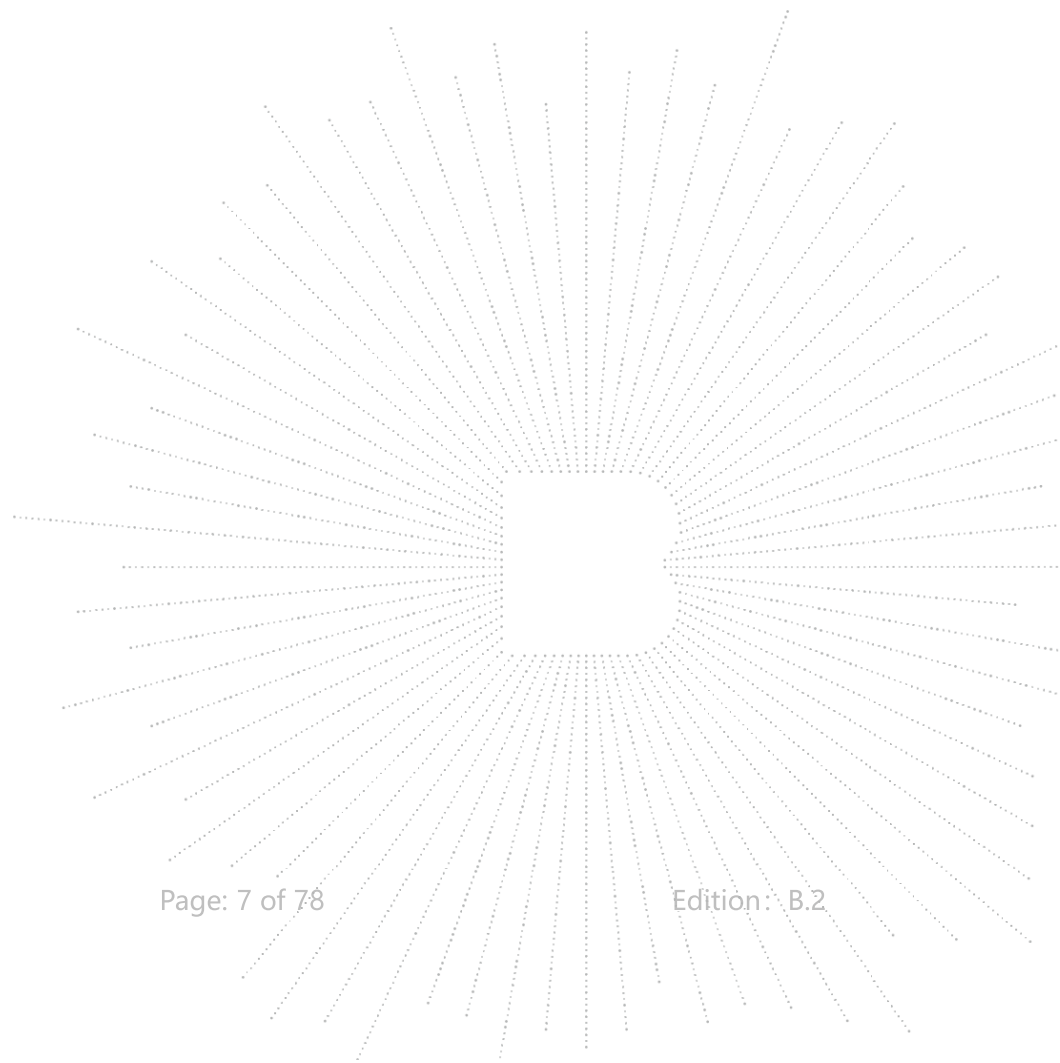
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	24.61	1.2	25.81	PASS
Band7	5	20775	1	#Mid	QPSK	25.04	1.2	26.24	PASS
Band7	5	20775	1	#Max	QPSK	24.59	1.2	25.79	PASS
Band7	5	20775	12	#0	QPSK	23.70	1.2	24.90	PASS
Band7	5	20775	12	#Mid	QPSK	23.81	1.2	25.01	PASS
Band7	5	20775	12	#Max	QPSK	23.75	1.2	24.95	PASS
Band7	5	20775	25	#0	QPSK	23.77	1.2	24.97	PASS
Band7	5	20775	1	#0	16QAM	23.81	1.2	25.01	PASS
Band7	5	20775	1	#Mid	16QAM	24.17	1.2	25.37	PASS
Band7	5	20775	1	#Max	16QAM	23.84	1.2	25.04	PASS
Band7	5	20775	12	#0	16QAM	22.71	1.2	23.91	PASS
Band7	5	20775	12	#Mid	16QAM	22.79	1.2	23.99	PASS
Band7	5	20775	12	#Max	16QAM	22.76	1.2	23.96	PASS
Band7	5	20775	25	#0	16QAM	22.70	1.2	23.90	PASS
Band7	5	21100	1	#0	QPSK	24.49	1.2	25.69	PASS
Band7	5	21100	1	#Mid	QPSK	24.98	1.2	26.18	PASS
Band7	5	21100	1	#Max	QPSK	24.53	1.2	25.73	PASS
Band7	5	21100	12	#0	QPSK	23.62	1.2	24.82	PASS
Band7	5	21100	12	#Mid	QPSK	23.68	1.2	24.88	PASS
Band7	5	21100	12	#Max	QPSK	23.71	1.2	24.91	PASS
Band7	5	21100	25	#0	QPSK	23.65	1.2	24.85	PASS
Band7	5	21100	1	#0	16QAM	23.90	1.2	25.10	PASS
Band7	5	21100	1	#Mid	16QAM	24.26	1.2	25.46	PASS
Band7	5	21100	1	#Max	16QAM	23.98	1.2	25.18	PASS
Band7	5	21100	12	#0	16QAM	22.54	1.2	23.74	PASS
Band7	5	21100	12	#Mid	16QAM	22.67	1.2	23.87	PASS
Band7	5	21100	12	#Max	16QAM	22.62	1.2	23.82	PASS
Band7	5	21100	25	#0	16QAM	22.57	1.2	23.77	PASS
Band7	5	21425	1	#0	QPSK	24.17	1.2	25.37	PASS
Band7	5	21425	1	#Mid	QPSK	24.81	1.2	26.01	PASS
Band7	5	21425	1	#Max	QPSK	24.30	1.2	25.50	PASS
Band7	5	21425	12	#0	QPSK	23.22	1.2	24.42	PASS
Band7	5	21425	12	#Mid	QPSK	23.32	1.2	24.52	PASS
Band7	5	21425	12	#Max	QPSK	23.38	1.2	24.58	PASS
Band7	5	21425	25	#0	QPSK	23.31	1.2	24.51	PASS

Band7	5	21425	1	#0	16QAM	23.40	1.2	24.60	PASS
Band7	5	21425	1	#Mid	16QAM	23.74	1.2	24.94	PASS
Band7	5	21425	1	#Max	16QAM	23.40	1.2	24.60	PASS
Band7	5	21425	12	#0	16QAM	22.14	1.2	23.34	PASS
Band7	5	21425	12	#Mid	16QAM	22.27	1.2	23.47	PASS
Band7	5	21425	12	#Max	16QAM	22.27	1.2	23.47	PASS
Band7	5	21425	25	#0	16QAM	22.33	1.2	23.53	PASS
Band7	10	20800	1	#0	QPSK	24.67	1.2	25.87	PASS
Band7	10	20800	1	#Mid	QPSK	24.88	1.2	26.08	PASS
Band7	10	20800	1	#Max	QPSK	24.66	1.2	25.86	PASS
Band7	10	20800	25	#0	QPSK	23.74	1.2	24.94	PASS
Band7	10	20800	25	#Mid	QPSK	23.74	1.2	24.94	PASS
Band7	10	20800	25	#Max	QPSK	23.78	1.2	24.98	PASS
Band7	10	20800	50	#0	QPSK	23.74	1.2	24.94	PASS
Band7	10	20800	1	#0	16QAM	23.80	1.2	25.00	PASS
Band7	10	20800	1	#Mid	16QAM	23.90	1.2	25.10	PASS
Band7	10	20800	1	#Max	16QAM	23.71	1.2	24.91	PASS
Band7	10	20800	25	#0	16QAM	22.72	1.2	23.92	PASS
Band7	10	20800	25	#Mid	16QAM	22.76	1.2	23.96	PASS
Band7	10	20800	25	#Max	16QAM	22.74	1.2	23.94	PASS
Band7	10	20800	50	#0	16QAM	22.73	1.2	23.93	PASS
Band7	10	21100	1	#0	QPSK	24.63	1.2	25.83	PASS
Band7	10	21100	1	#Mid	QPSK	24.82	1.2	26.02	PASS
Band7	10	21100	1	#Max	QPSK	24.64	1.2	25.84	PASS
Band7	10	21100	25	#0	QPSK	23.60	1.2	24.80	PASS
Band7	10	21100	25	#Mid	QPSK	23.64	1.2	24.84	PASS
Band7	10	21100	25	#Max	QPSK	23.75	1.2	24.95	PASS
Band7	10	21100	50	#0	QPSK	23.63	1.2	24.83	PASS
Band7	10	21100	1	#0	16QAM	23.37	1.2	24.57	PASS
Band7	10	21100	1	#Mid	16QAM	23.54	1.2	24.74	PASS
Band7	10	21100	1	#Max	16QAM	23.43	1.2	24.63	PASS
Band7	10	21100	25	#0	16QAM	22.64	1.2	23.84	PASS
Band7	10	21100	25	#Mid	16QAM	22.65	1.2	23.85	PASS
Band7	10	21100	25	#Max	16QAM	22.70	1.2	23.90	PASS
Band7	10	21100	50	#0	16QAM	22.61	1.2	23.81	PASS
Band7	10	21400	1	#0	QPSK	24.18	1.2	25.38	PASS
Band7	10	21400	1	#Mid	QPSK	24.36	1.2	25.56	PASS
Band7	10	21400	1	#Max	QPSK	24.28	1.2	25.48	PASS
Band7	10	21400	25	#0	QPSK	23.26	1.2	24.46	PASS
Band7	10	21400	25	#Mid	QPSK	23.30	1.2	24.50	PASS
Band7	10	21400	25	#Max	QPSK	23.48	1.2	24.68	PASS
Band7	10	21400	50	#0	QPSK	23.35	1.2	24.55	PASS

Band7	10	21400	1	#0	16QAM	23.43	1.2	24.63	PASS
Band7	10	21400	1	#Mid	16QAM	23.63	1.2	24.83	PASS
Band7	10	21400	1	#Max	16QAM	23.52	1.2	24.72	PASS
Band7	10	21400	25	#0	16QAM	22.25	1.2	23.45	PASS
Band7	10	21400	25	#Mid	16QAM	22.30	1.2	23.50	PASS
Band7	10	21400	25	#Max	16QAM	22.46	1.2	23.66	PASS
Band7	10	21400	50	#0	16QAM	22.33	1.2	23.53	PASS
Band7	15	20825	1	#0	QPSK	24.75	1.2	25.95	PASS
Band7	15	20825	1	#Mid	QPSK	25.08	1.2	26.28	PASS
Band7	15	20825	1	#Max	QPSK	24.63	1.2	25.83	PASS
Band7	15	20825	36	#0	QPSK	23.80	1.2	25.00	PASS
Band7	15	20825	36	#Mid	QPSK	23.88	1.2	25.08	PASS
Band7	15	20825	36	#Max	QPSK	23.80	1.2	25.00	PASS
Band7	15	20825	75	#0	QPSK	23.84	1.2	25.04	PASS
Band7	15	20825	1	#0	16QAM	23.68	1.2	24.88	PASS
Band7	15	20825	1	#Mid	16QAM	23.97	1.2	25.17	PASS
Band7	15	20825	1	#Max	16QAM	23.53	1.2	24.73	PASS
Band7	15	20825	36	#0	16QAM	22.66	1.2	23.86	PASS
Band7	15	20825	36	#Mid	16QAM	22.74	1.2	23.94	PASS
Band7	15	20825	36	#Max	16QAM	22.65	1.2	23.85	PASS
Band7	15	20825	75	#0	16QAM	22.78	1.2	23.98	PASS
Band7	15	21100	1	#0	QPSK	24.41	1.2	25.61	PASS
Band7	15	21100	1	#Mid	QPSK	24.84	1.2	26.04	PASS
Band7	15	21100	1	#Max	QPSK	24.42	1.2	25.62	PASS
Band7	15	21100	36	#0	QPSK	23.67	1.2	24.87	PASS
Band7	15	21100	36	#Mid	QPSK	23.72	1.2	24.92	PASS
Band7	15	21100	36	#Max	QPSK	23.76	1.2	24.96	PASS
Band7	15	21100	75	#0	QPSK	23.74	1.2	24.94	PASS
Band7	15	21100	1	#0	16QAM	23.71	1.2	24.91	PASS
Band7	15	21100	1	#Mid	16QAM	24.18	1.2	25.38	PASS
Band7	15	21100	1	#Max	16QAM	23.79	1.2	24.99	PASS
Band7	15	21100	36	#0	16QAM	22.60	1.2	23.80	PASS
Band7	15	21100	36	#Mid	16QAM	22.70	1.2	23.90	PASS
Band7	15	21100	36	#Max	16QAM	22.72	1.2	23.92	PASS
Band7	15	21100	75	#0	16QAM	22.67	1.2	23.87	PASS
Band7	15	21375	1	#0	QPSK	24.18	1.2	25.38	PASS
Band7	15	21375	1	#Mid	QPSK	24.56	1.2	25.76	PASS
Band7	15	21375	1	#Max	QPSK	24.12	1.2	25.32	PASS
Band7	15	21375	36	#0	QPSK	23.41	1.2	24.61	PASS
Band7	15	21375	36	#Mid	QPSK	23.40	1.2	24.60	PASS
Band7	15	21375	36	#Max	QPSK	23.48	1.2	24.68	PASS
Band7	15	21375	75	#0	QPSK	23.45	1.2	24.65	PASS

Band7	15	21375	1	#0	16QAM	23.29	1.2	24.49	PASS
Band7	15	21375	1	#Mid	16QAM	23.61	1.2	24.81	PASS
Band7	15	21375	1	#Max	16QAM	23.23	1.2	24.43	PASS
Band7	15	21375	36	#0	16QAM	22.37	1.2	23.57	PASS
Band7	15	21375	36	#Mid	16QAM	22.36	1.2	23.56	PASS
Band7	15	21375	36	#Max	16QAM	22.45	1.2	23.65	PASS
Band7	15	21375	75	#0	16QAM	22.34	1.2	23.54	PASS
Band7	20	20850	1	#0	QPSK	24.57	1.2	25.77	PASS
Band7	20	20850	1	#Mid	QPSK	24.90	1.2	26.10	PASS
Band7	20	20850	1	#Max	QPSK	24.42	1.2	25.62	PASS
Band7	20	20850	50	#0	QPSK	23.65	1.2	24.85	PASS
Band7	20	20850	50	#Mid	QPSK	23.69	1.2	24.89	PASS
Band7	20	20850	50	#Max	QPSK	23.47	1.2	24.67	PASS
Band7	20	20850	100	#0	QPSK	23.57	1.2	24.77	PASS
Band7	20	20850	1	#0	16QAM	23.64	1.2	24.84	PASS
Band7	20	20850	1	#Mid	16QAM	23.88	1.2	25.08	PASS
Band7	20	20850	1	#Max	16QAM	23.46	1.2	24.66	PASS
Band7	20	20850	50	#0	16QAM	22.58	1.2	23.78	PASS
Band7	20	20850	50	#Mid	16QAM	22.65	1.2	23.85	PASS
Band7	20	20850	50	#Max	16QAM	22.47	1.2	23.67	PASS
Band7	20	20850	100	#0	16QAM	22.55	1.2	23.75	PASS
Band7	20	21100	1	#0	QPSK	24.25	1.2	25.45	PASS
Band7	20	21100	1	#Mid	QPSK	24.73	1.2	25.93	PASS
Band7	20	21100	1	#Max	QPSK	24.30	1.2	25.50	PASS
Band7	20	21100	50	#0	QPSK	23.53	1.2	24.73	PASS
Band7	20	21100	50	#Mid	QPSK	23.67	1.2	24.87	PASS
Band7	20	21100	50	#Max	QPSK	23.74	1.2	24.94	PASS
Band7	20	21100	100	#0	QPSK	23.61	1.2	24.81	PASS
Band7	20	21100	1	#0	16QAM	23.51	1.2	24.71	PASS
Band7	20	21100	1	#Mid	16QAM	23.90	1.2	25.10	PASS
Band7	20	21100	1	#Max	16QAM	23.55	1.2	24.75	PASS
Band7	20	21100	50	#0	16QAM	22.59	1.2	23.79	PASS
Band7	20	21100	50	#Mid	16QAM	22.69	1.2	23.89	PASS
Band7	20	21100	50	#Max	16QAM	22.76	1.2	23.96	PASS
Band7	20	21100	100	#0	16QAM	22.61	1.2	23.81	PASS
Band7	20	21350	1	#0	QPSK	24.09	1.2	25.29	PASS
Band7	20	21350	1	#Mid	QPSK	24.41	1.2	25.61	PASS
Band7	20	21350	1	#Max	QPSK	24.06	1.2	25.26	PASS
Band7	20	21350	50	#0	QPSK	23.44	1.2	24.64	PASS
Band7	20	21350	50	#Mid	QPSK	23.29	1.2	24.49	PASS
Band7	20	21350	50	#Max	QPSK	23.34	1.2	24.54	PASS
Band7	20	21350	100	#0	QPSK	23.37	1.2	24.57	PASS

Band7	20	21350	1	#0	16QAM	23.37	1.2	24.57	PASS
Band7	20	21350	1	#Mid	16QAM	23.54	1.2	24.74	PASS
Band7	20	21350	1	#Max	16QAM	23.25	1.2	24.45	PASS
Band7	20	21350	50	#0	16QAM	22.47	1.2	23.67	PASS
Band7	20	21350	50	#Mid	16QAM	22.33	1.2	23.53	PASS
Band7	20	21350	50	#Max	16QAM	22.35	1.2	23.55	PASS
Band7	20	21350	100	#0	16QAM	22.39	1.2	23.59	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 7	5	20775	25	#0	QPSK	LV	NT	-9.36	-0.004	-2.5	2.5	PASS
Band 7	5	20775	25	#0	QPSK	NV	NT	-10.97	-0.004	-2.5	2.5	PASS
Band 7	5	20775	25	#0	QPSK	HV	NT	-0.96	0.000	-2.5	2.5	PASS
Band 7	5	20775	25	#0	16QAM	LV	NT	-1.50	-0.001	-2.5	2.5	PASS
Band 7	5	20775	25	#0	16QAM	NV	NT	-3.76	-0.002	-2.5	2.5	PASS
Band 7	5	20775	25	#0	16QAM	HV	NT	5.01	0.002	-2.5	2.5	PASS
Band 7	5	21100	25	#0	QPSK	LV	NT	-6.92	-0.003	-2.5	2.5	PASS
Band 7	5	21100	25	#0	QPSK	NV	NT	-5.68	-0.002	-2.5	2.5	PASS
Band 7	5	21100	25	#0	QPSK	HV	NT	-2.27	-0.001	-2.5	2.5	PASS
Band 7	5	21100	25	#0	16QAM	LV	NT	7.62	0.003	-2.5	2.5	PASS
Band 7	5	21100	25	#0	16QAM	NV	NT	3.08	0.001	-2.5	2.5	PASS
Band 7	5	21100	25	#0	16QAM	HV	NT	0.51	0.000	-2.5	2.5	PASS
Band 7	5	21425	25	#0	QPSK	LV	NT	-1.14	0.000	-2.5	2.5	PASS
Band 7	5	21425	25	#0	QPSK	NV	NT	-3.95	-0.002	-2.5	2.5	PASS
Band 7	5	21425	25	#0	QPSK	HV	NT	-10.21	-0.004	-2.5	2.5	PASS
Band 7	5	21425	25	#0	16QAM	LV	NT	-4.49	-0.002	-2.5	2.5	PASS
Band 7	5	21425	25	#0	16QAM	NV	NT	-0.01	0.000	-2.5	2.5	PASS
Band 7	5	21425	25	#0	16QAM	HV	NT	-7.17	-0.00	-2.5	2.5	PASS

7									3			
Band 7	10	20800	50	#0	QPSK	LV	NT	-7.01	-0.003	-2.5	2.5	PASS
Band 7	10	20800	50	#0	QPSK	NV	NT	-2.98	-0.001	-2.5	2.5	PASS
Band 7	10	20800	50	#0	QPSK	HV	NT	-4.89	-0.002	-2.5	2.5	PASS
Band 7	10	20800	50	#0	16QAM	LV	NT	0.07	0.000	-2.5	2.5	PASS
Band 7	10	20800	50	#0	16QAM	NV	NT	-2.57	-0.001	-2.5	2.5	PASS
Band 7	10	20800	50	#0	16QAM	HV	NT	-0.77	0.000	-2.5	2.5	PASS
Band 7	10	21100	50	#0	QPSK	LV	NT	-7.52	-0.003	-2.5	2.5	PASS
Band 7	10	21100	50	#0	QPSK	NV	NT	-10.43	-0.004	-2.5	2.5	PASS
Band 7	10	21100	50	#0	QPSK	HV	NT	-6.14	-0.002	-2.5	2.5	PASS
Band 7	10	21100	50	#0	16QAM	LV	NT	-5.62	-0.002	-2.5	2.5	PASS
Band 7	10	21100	50	#0	16QAM	NV	NT	-7.72	-0.003	-2.5	2.5	PASS
Band 7	10	21100	50	#0	16QAM	HV	NT	-8.13	-0.003	-2.5	2.5	PASS
Band 7	10	21400	50	#0	QPSK	LV	NT	-5.81	-0.002	-2.5	2.5	PASS
Band 7	10	21400	50	#0	QPSK	NV	NT	-2.00	-0.001	-2.5	2.5	PASS
Band 7	10	21400	50	#0	QPSK	HV	NT	2.25	0.001	-2.5	2.5	PASS
Band 7	10	21400	50	#0	16QAM	LV	NT	1.36	0.001	-2.5	2.5	PASS
Band 7	10	21400	50	#0	16QAM	NV	NT	-3.95	-0.002	-2.5	2.5	PASS
Band 7	10	21400	50	#0	16QAM	HV	NT	-1.87	-0.001	-2.5	2.5	PASS
Band 7	15	20825	75	#0	QPSK	LV	NT	-10.10	-0.004	-2.5	2.5	PASS
Band 7	15	20825	75	#0	QPSK	NV	NT	-9.00	-0.004	-2.5	2.5	PASS
Band 7	15	20825	75	#0	QPSK	HV	NT	-5.16	-0.002	-2.5	2.5	PASS

Band 7	15	20825	75	#0	16QAM	LV	NT	-6.81	-0.00 3	-2.5	2.5	PASS
Band 7	15	20825	75	#0	16QAM	NV	NT	-0.80	0.000	-2.5	2.5	PASS
Band 7	15	20825	75	#0	16QAM	HV	NT	1.13	0.000	-2.5	2.5	PASS
Band 7	15	21100	75	#0	QPSK	LV	NT	-7.10	-0.00 3	-2.5	2.5	PASS
Band 7	15	21100	75	#0	QPSK	NV	NT	-12.0 2	-0.00 5	-2.5	2.5	PASS
Band 7	15	21100	75	#0	QPSK	HV	NT	-7.08	-0.00 3	-2.5	2.5	PASS
Band 7	15	21100	75	#0	16QAM	LV	NT	-6.09	-0.00 2	-2.5	2.5	PASS
Band 7	15	21100	75	#0	16QAM	NV	NT	-7.74	-0.00 3	-2.5	2.5	PASS
Band 7	15	21100	75	#0	16QAM	HV	NT	-9.77	-0.00 4	-2.5	2.5	PASS
Band 7	15	21375	75	#0	QPSK	LV	NT	-4.91	-0.00 2	-2.5	2.5	PASS
Band 7	15	21375	75	#0	QPSK	NV	NT	-5.22	-0.00 2	-2.5	2.5	PASS
Band 7	15	21375	75	#0	QPSK	HV	NT	-9.71	-0.00 4	-2.5	2.5	PASS
Band 7	15	21375	75	#0	16QAM	LV	NT	-2.83	-0.00 1	-2.5	2.5	PASS
Band 7	15	21375	75	#0	16QAM	NV	NT	-7.11	-0.00 3	-2.5	2.5	PASS
Band 7	15	21375	75	#0	16QAM	HV	NT	-7.74	-0.00 3	-2.5	2.5	PASS
Band 7	20	20850	100	#0	QPSK	LV	NT	-8.05	-0.00 3	-2.5	2.5	PASS
Band 7	20	20850	100	#0	QPSK	NV	NT	-4.62	-0.00 2	-2.5	2.5	PASS
Band 7	20	20850	100	#0	QPSK	HV	NT	-3.26	-0.00 1	-2.5	2.5	PASS
Band 7	20	20850	100	#0	16QAM	LV	NT	-4.23	-0.00 2	-2.5	2.5	PASS
Band 7	20	20850	100	#0	16QAM	NV	NT	-1.72	-0.00 1	-2.5	2.5	PASS
Band 7	20	20850	100	#0	16QAM	HV	NT	-4.76	-0.00 2	-2.5	2.5	PASS
Band 7	20	21100	100	#0	QPSK	LV	NT	-12.0	-0.00	-2.5	2.5	PASS

7								3	5			
Band 7	20	21100	100	#0	QPSK	NV	NT	-14.52	-0.006	-2.5	2.5	PASS
Band 7	20	21100	100	#0	QPSK	HV	NT	-6.05	-0.002	-2.5	2.5	PASS
Band 7	20	21100	100	#0	16QAM	LV	NT	-6.54	-0.003	-2.5	2.5	PASS
Band 7	20	21100	100	#0	16QAM	NV	NT	-3.53	-0.001	-2.5	2.5	PASS
Band 7	20	21100	100	#0	16QAM	HV	NT	-6.78	-0.003	-2.5	2.5	PASS
Band 7	20	21350	100	#0	QPSK	LV	NT	0.01	0.000	-2.5	2.5	PASS
Band 7	20	21350	100	#0	QPSK	NV	NT	-6.98	-0.003	-2.5	2.5	PASS
Band 7	20	21350	100	#0	QPSK	HV	NT	-9.21	-0.004	-2.5	2.5	PASS
Band 7	20	21350	100	#0	16QAM	LV	NT	0.19	0.000	-2.5	2.5	PASS
Band 7	20	21350	100	#0	16QAM	NV	NT	-4.94	-0.002	-2.5	2.5	PASS
Band 7	20	21350	100	#0	16QAM	HV	NT	-6.51	-0.003	-2.5	2.5	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	-24.25	-0.010	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	-9.21	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	-8.08	-0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	0	-2.00	-0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	10	-14.88	-0.006	PASS
Band7	5	20775	25	#0	QPSK	NV	20	7.20	0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	30	-8.85	-0.004	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-7.47	-0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	50	-0.40	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	-0.96	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	-11.59	-0.005	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	-1.63	-0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	0	-10.91	-0.004	PASS
Band7	5	20775	25	#0	16QAM	NV	10	0.27	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	20	-10.36	-0.004	PASS
Band7	5	20775	25	#0	16QAM	NV	30	-7.77	-0.003	PASS

Band7	5	20775	25	#0	16QAM	NV	40	-5.18	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	50	0.40	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-7.58	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	-5.66	-0.002	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	1.27	0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	0	-2.79	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	10	-1.06	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	20	-9.31	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	30	-10.84	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	40	7.47	0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	50	6.19	0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	-7.30	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	-5.62	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	7.34	0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	0	-3.78	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	10	-3.22	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	20	-2.37	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	30	-3.43	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	40	-19.03	-0.008	PASS
Band7	5	21100	25	#0	16QAM	NV	50	-1.16	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-8.94	-0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-1.42	-0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	-4.29	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	0	-15.19	-0.006	PASS
Band7	5	21425	25	#0	QPSK	NV	10	-0.59	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	20	-15.68	-0.006	PASS
Band7	5	21425	25	#0	QPSK	NV	30	-1.04	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	40	2.78	0.001	PASS
Band7	5	21425	25	#0	QPSK	NV	50	6.32	0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	7.25	0.003	PASS
Band7	5	21425	25	#0	16QAM	NV	-20	-4.75	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	-4.89	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	0	6.98	0.003	PASS
Band7	5	21425	25	#0	16QAM	NV	10	8.38	0.003	PASS
Band7	5	21425	25	#0	16QAM	NV	20	0.54	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	30	-2.20	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	40	-12.87	-0.005	PASS
Band7	5	21425	25	#0	16QAM	NV	50	8.25	0.003	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	-16.34	-0.007	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	-0.09	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	-10.59	-0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	0	-4.79	-0.002	PASS

Band7	10	20800	50	#0	QPSK	NV	10	-13.89	-0.006	PASS
Band7	10	20800	50	#0	QPSK	NV	20	-3.42	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	30	-4.28	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	40	-5.84	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	50	2.25	0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	-30	-4.16	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	-20	-3.36	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	-10	-11.24	-0.004	PASS
Band7	10	20800	50	#0	16QAM	NV	0	-7.22	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	10	-8.44	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	20	-8.77	-0.004	PASS
Band7	10	20800	50	#0	16QAM	NV	30	-5.92	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	40	-0.06	0.000	PASS
Band7	10	20800	50	#0	16QAM	NV	50	-6.34	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-16.19	-0.006	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	-15.16	-0.006	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	-9.57	-0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	0	-10.70	-0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	10	-3.28	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	20	-4.96	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	30	-10.31	-0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	40	-8.24	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	50	-4.02	-0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	-30	-8.98	-0.004	PASS
Band7	10	21100	50	#0	16QAM	NV	-20	2.37	0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	-10	-2.53	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	0	-2.80	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	10	-19.34	-0.008	PASS
Band7	10	21100	50	#0	16QAM	NV	20	-2.55	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	30	-14.20	-0.006	PASS
Band7	10	21100	50	#0	16QAM	NV	40	-6.87	-0.003	PASS
Band7	10	21100	50	#0	16QAM	NV	50	0.53	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	-12.50	-0.005	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	-0.74	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	-10	-6.79	-0.003	PASS
Band7	10	21400	50	#0	QPSK	NV	0	-0.70	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	10	-2.43	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	20	-5.84	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	30	0.82	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	40	-4.81	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	50	-4.49	-0.002	PASS
Band7	10	21400	50	#0	16QAM	NV	-30	-2.53	-0.001	PASS

Band7	10	21400	50	#0	16QAM	NV	-20	-4.56	-0.002	PASS
Band7	10	21400	50	#0	16QAM	NV	-10	-13.16	-0.005	PASS
Band7	10	21400	50	#0	16QAM	NV	0	-0.93	0.000	PASS
Band7	10	21400	50	#0	16QAM	NV	10	1.23	0.000	PASS
Band7	10	21400	50	#0	16QAM	NV	20	-9.91	-0.004	PASS
Band7	10	21400	50	#0	16QAM	NV	30	-6.49	-0.003	PASS
Band7	10	21400	50	#0	16QAM	NV	40	-1.96	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	50	-0.19	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	-14.96	-0.006	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	-8.64	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	-13.52	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	0	-11.92	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	10	-8.73	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	20	-9.16	-0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	30	-9.17	-0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	40	-13.29	-0.005	PASS
Band7	15	20825	75	#0	QPSK	NV	50	-12.17	-0.005	PASS
Band7	15	20825	75	#0	16QAM	NV	-30	-5.94	-0.002	PASS
Band7	15	20825	75	#0	16QAM	NV	-20	-6.98	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	-10	-14.28	-0.006	PASS
Band7	15	20825	75	#0	16QAM	NV	0	-10.04	-0.004	PASS
Band7	15	20825	75	#0	16QAM	NV	10	-9.61	-0.004	PASS
Band7	15	20825	75	#0	16QAM	NV	20	-5.16	-0.002	PASS
Band7	15	20825	75	#0	16QAM	NV	30	-7.88	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	40	-3.03	-0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	50	-12.75	-0.005	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	-13.03	-0.005	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	-6.82	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	-3.79	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	0	-2.46	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	10	-4.58	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	20	-6.41	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	30	-4.66	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	40	4.23	0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	50	-6.17	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	-30	-2.36	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	-20	-0.79	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	-10	-1.30	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	0	-9.93	-0.004	PASS
Band7	15	21100	75	#0	16QAM	NV	10	-1.65	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	20	-14.49	-0.006	PASS
Band7	15	21100	75	#0	16QAM	NV	30	-4.33	-0.002	PASS

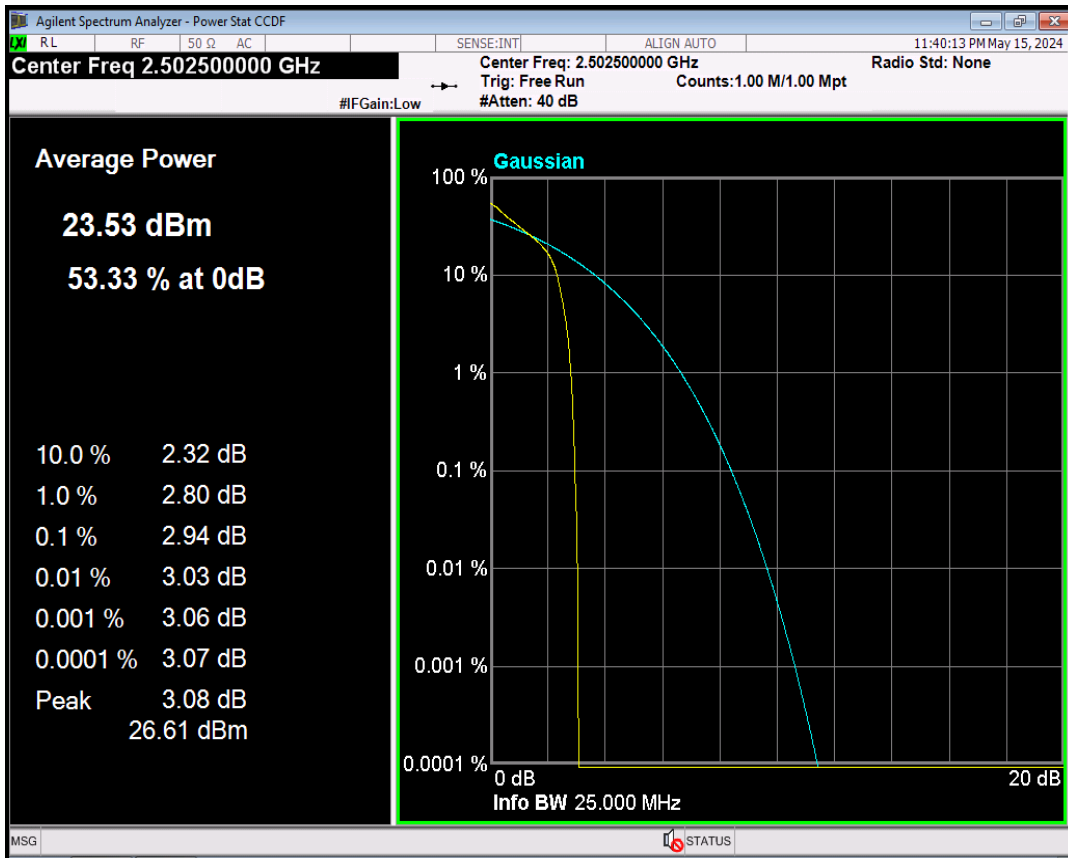
Band7	15	21100	75	#0	16QAM	NV	40	-5.72	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	50	-8.74	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	-0.73	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	-1.96	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	-0.44	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	0	-4.33	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	10	-2.62	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	20	-2.80	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	30	-7.94	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	40	-8.28	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	50	-2.93	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-30	-0.60	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	-20	-3.18	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-10	-6.71	-0.003	PASS
Band7	15	21375	75	#0	16QAM	NV	0	-11.82	-0.005	PASS
Band7	15	21375	75	#0	16QAM	NV	10	-6.81	-0.003	PASS
Band7	15	21375	75	#0	16QAM	NV	20	-4.59	-0.002	PASS
Band7	15	21375	75	#0	16QAM	NV	30	-14.15	-0.006	PASS
Band7	15	21375	75	#0	16QAM	NV	40	-3.18	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	50	2.80	0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-4.49	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-4.08	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-5.09	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-1.20	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-1.59	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-7.77	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-3.43	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	40	0.87	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-2.63	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-30	1.33	0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-20	-5.31	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	-10	-5.14	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	0	-4.84	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	10	-5.84	-0.002	PASS
Band7	20	20850	100	#0	16QAM	NV	20	-8.43	-0.003	PASS
Band7	20	20850	100	#0	16QAM	NV	30	-10.83	-0.004	PASS
Band7	20	20850	100	#0	16QAM	NV	40	3.65	0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	50	-8.81	-0.004	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	-10.10	-0.004	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	-5.65	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	1.13	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	0	-2.22	-0.001	PASS

Band7	20	21100	100	#0	QPSK	NV	10	-2.88	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	20	-3.33	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-5.32	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-5.87	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	50	-2.26	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	-30	0.46	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	-20	-2.73	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	-10	-12.37	-0.005	PASS
Band7	20	21100	100	#0	16QAM	NV	0	-0.51	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	10	-7.80	-0.003	PASS
Band7	20	21100	100	#0	16QAM	NV	20	-9.57	-0.004	PASS
Band7	20	21100	100	#0	16QAM	NV	30	-5.38	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	40	1.75	0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	50	-5.94	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	-14.28	-0.006	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	-12.37	-0.005	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	-6.25	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	0	-2.75	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	10	0.06	0.000	PASS
Band7	20	21350	100	#0	QPSK	NV	20	-8.80	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	30	-8.53	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	40	-8.03	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	50	-7.17	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	-30	-2.46	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	-20	-7.41	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	-10	-8.65	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	0	-9.14	-0.004	PASS
Band7	20	21350	100	#0	16QAM	NV	10	-2.36	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	20	-7.27	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	30	-8.64	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	40	-1.36	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	50	-3.95	-0.002	PASS

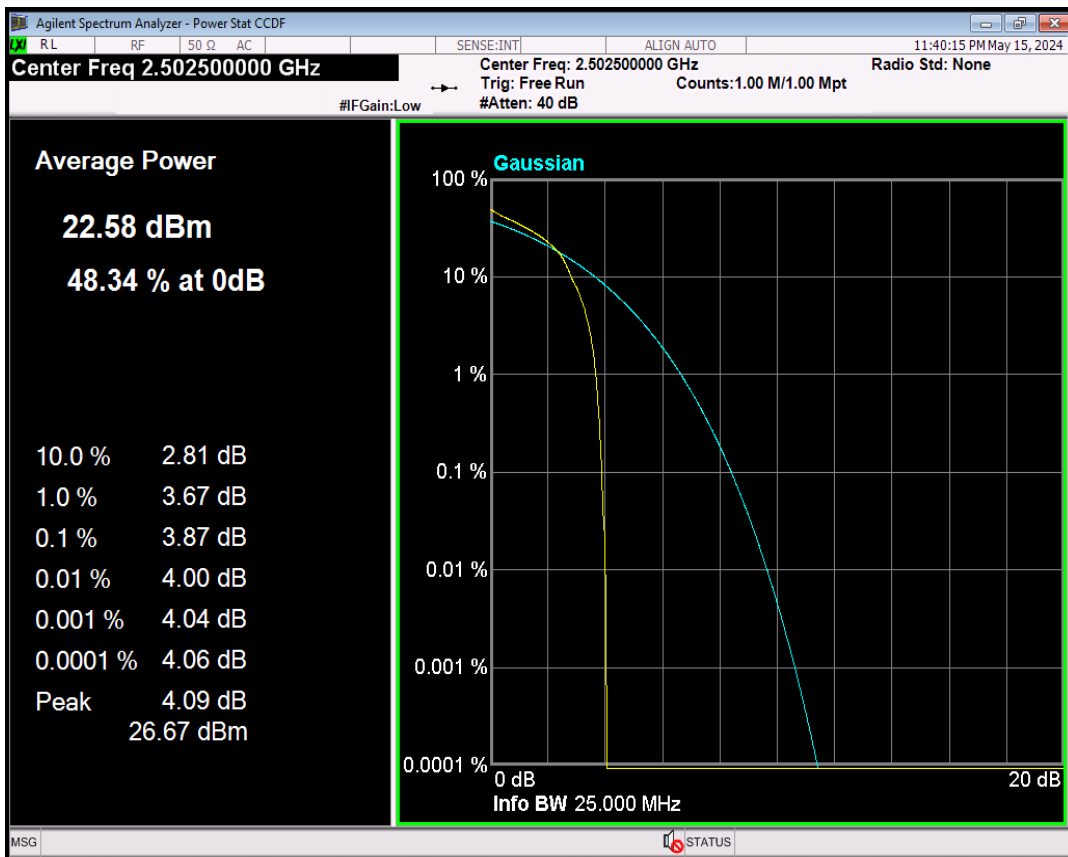
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	2.94	13	PASS
Band7	5	20775	1	#0	16QAM	3.87	13	PASS
Band7	5	21100	1	#0	QPSK	3.65	13	PASS
Band7	5	21100	1	#0	16QAM	4.46	13	PASS
Band7	5	21425	1	#0	QPSK	3.05	13	PASS
Band7	5	21425	1	#0	16QAM	3.82	13	PASS
Band7	10	20800	1	#0	QPSK	2.82	13	PASS
Band7	10	20800	1	#0	16QAM	3.89	13	PASS
Band7	10	21100	1	#0	QPSK	3.35	13	PASS
Band7	10	21100	1	#0	16QAM	4.29	13	PASS
Band7	10	21400	1	#0	QPSK	2.69	13	PASS
Band7	10	21400	1	#0	16QAM	3.62	13	PASS
Band7	15	20825	1	#0	QPSK	2.90	13	PASS
Band7	15	20825	1	#0	16QAM	3.86	13	PASS
Band7	15	21100	1	#0	QPSK	3.06	13	PASS
Band7	15	21100	1	#0	16QAM	3.90	13	PASS
Band7	15	21375	1	#0	QPSK	2.71	13	PASS
Band7	15	21375	1	#0	16QAM	3.74	13	PASS
Band7	20	20850	1	#0	QPSK	3.17	13	PASS
Band7	20	20850	1	#0	16QAM	3.97	13	PASS
Band7	20	21100	1	#0	QPSK	2.90	13	PASS
Band7	20	21100	1	#0	16QAM	3.84	13	PASS
Band7	20	21350	1	#0	QPSK	3.53	13	PASS
Band7	20	21350	1	#0	16QAM	4.58	13	PASS

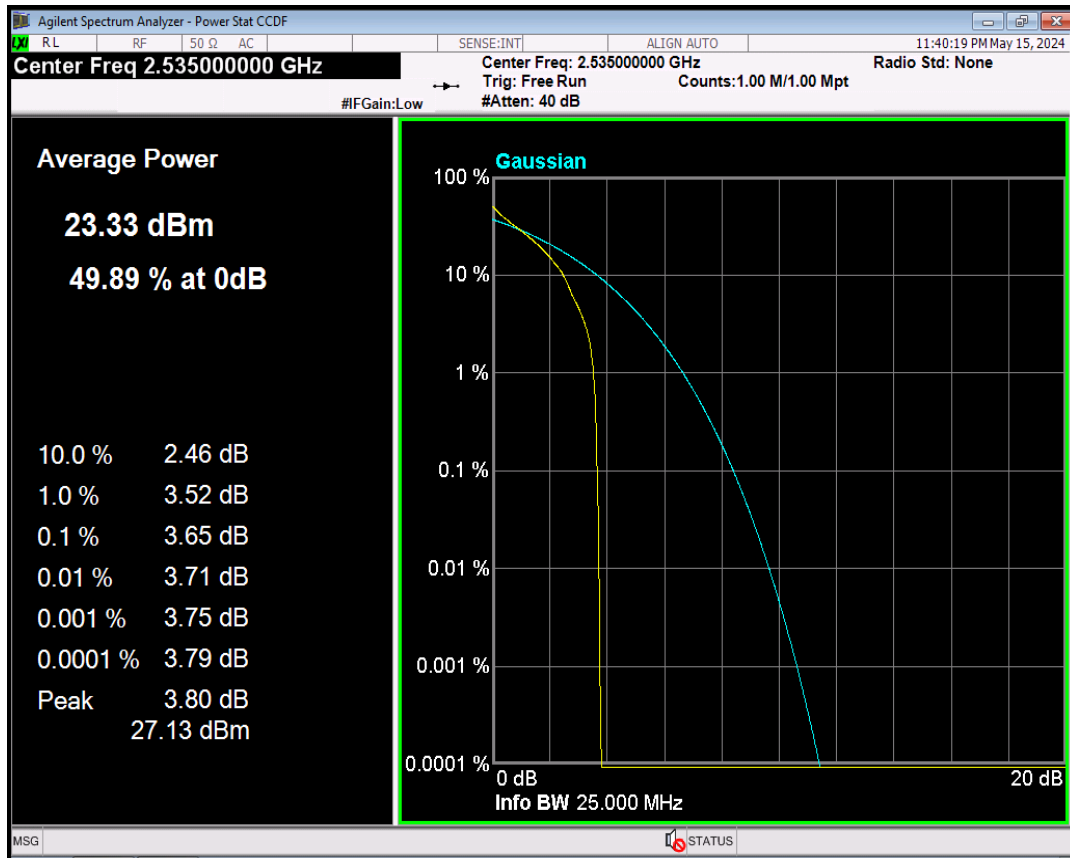
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



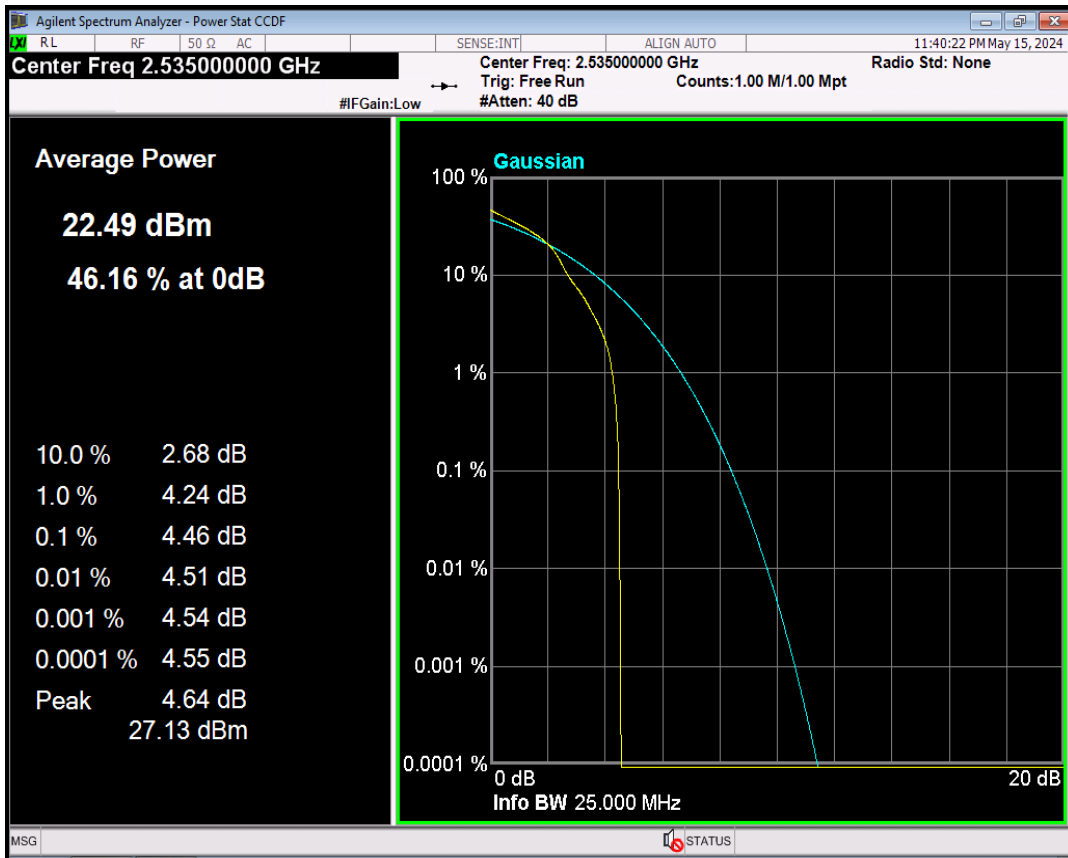
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0



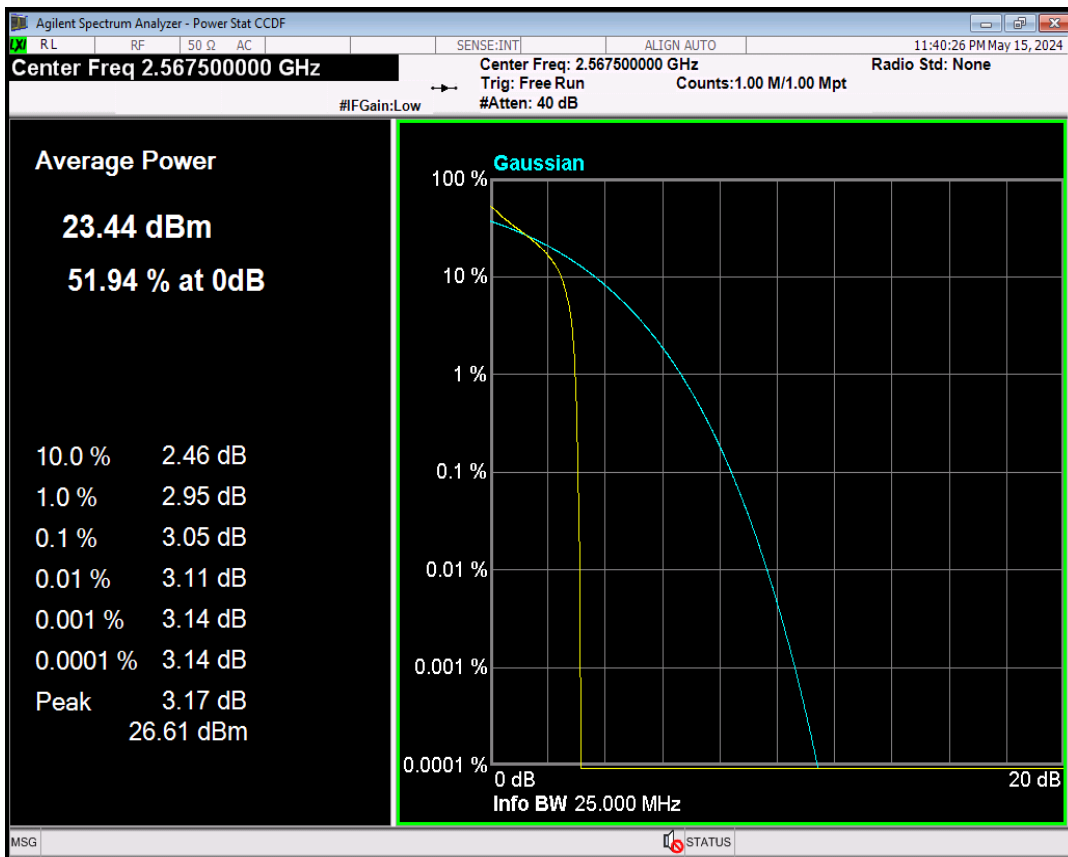
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



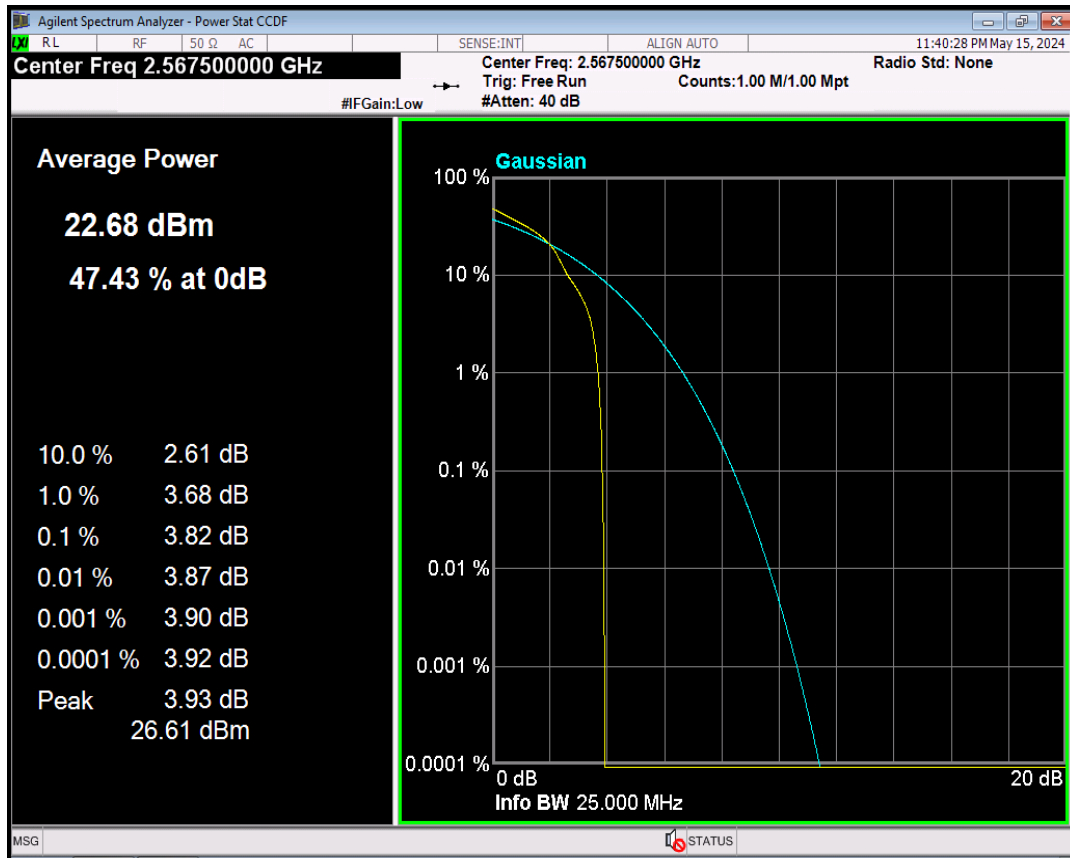
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



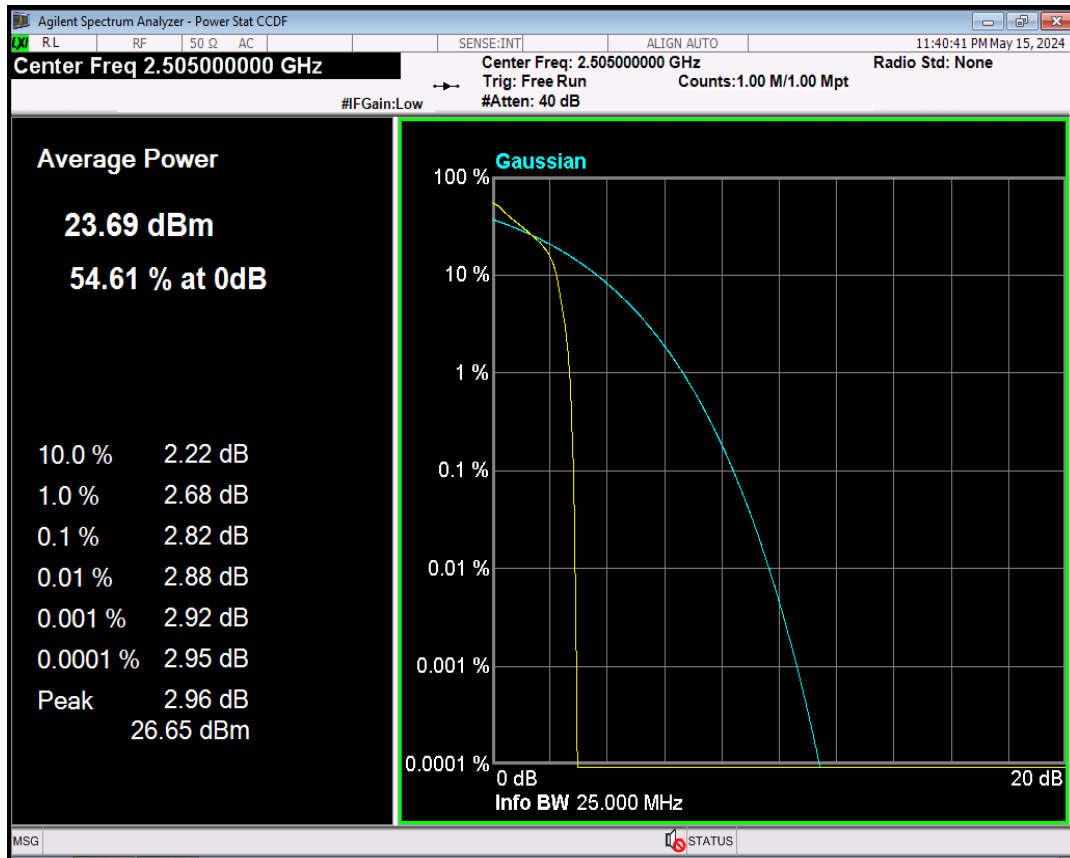
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



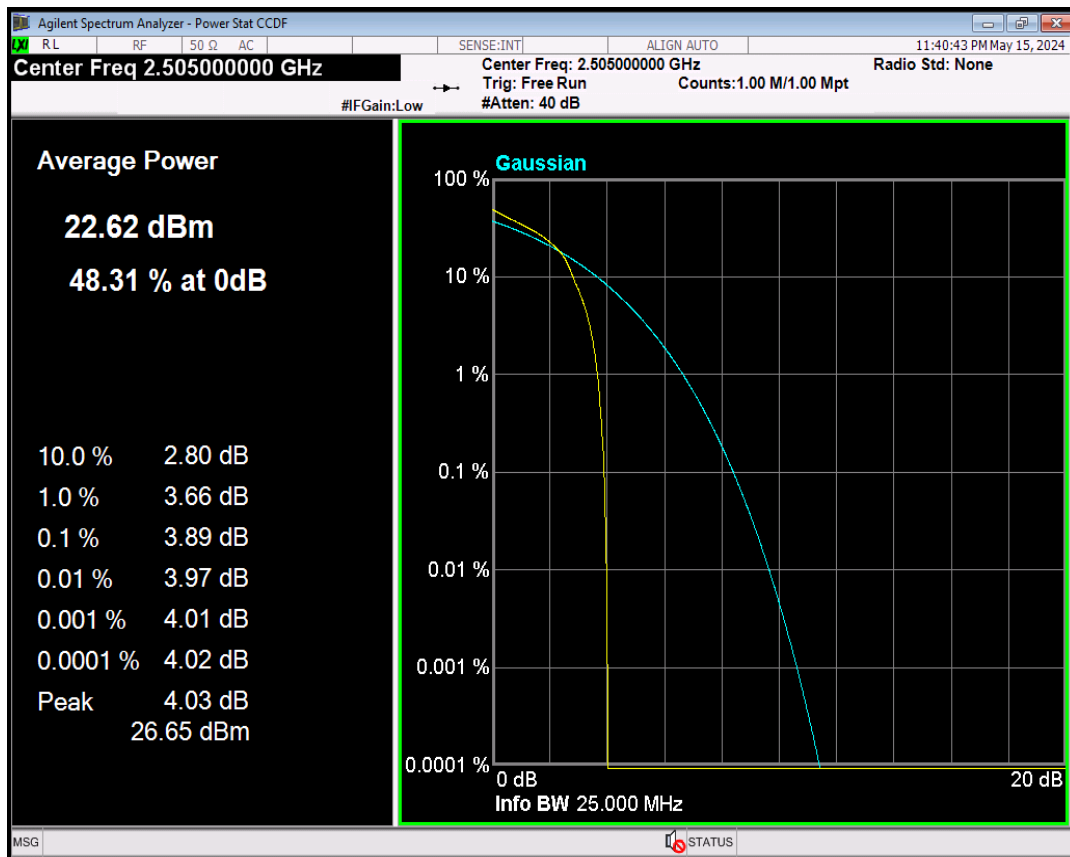
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



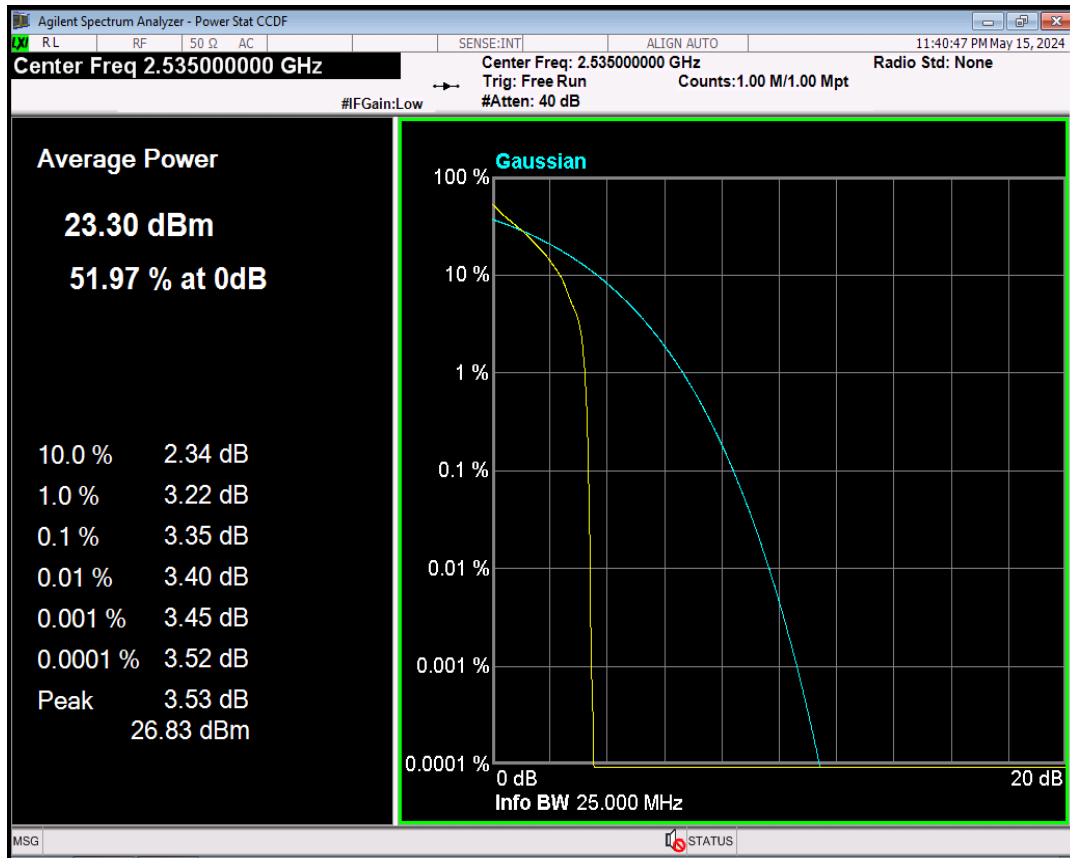
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



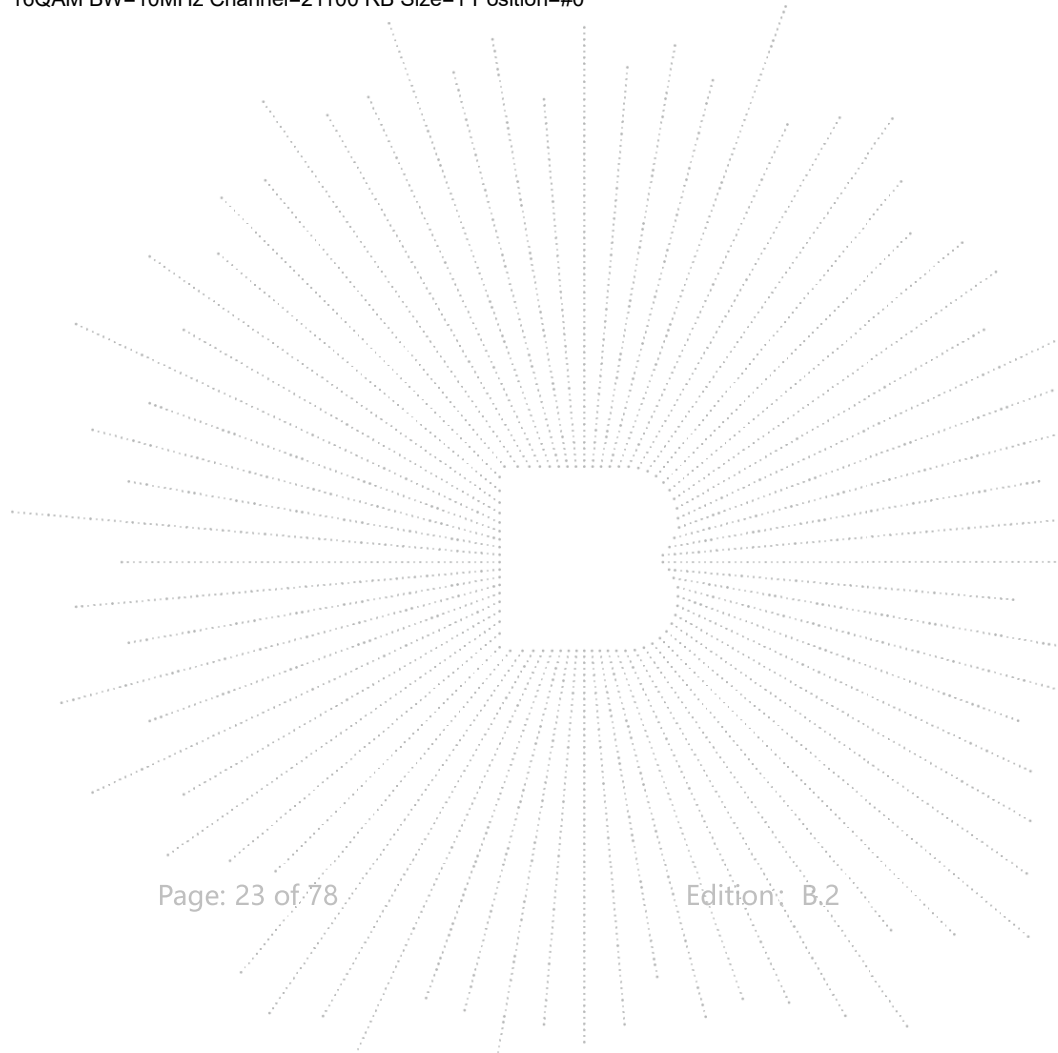
Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0

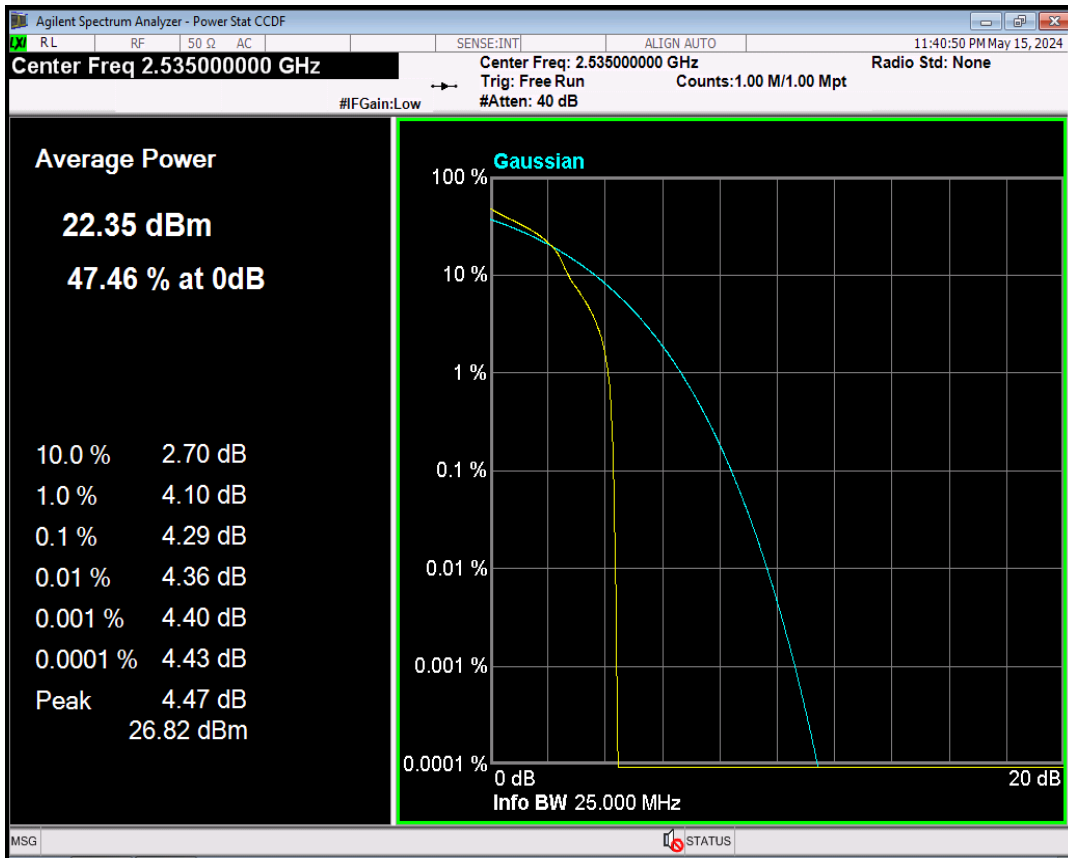


Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0

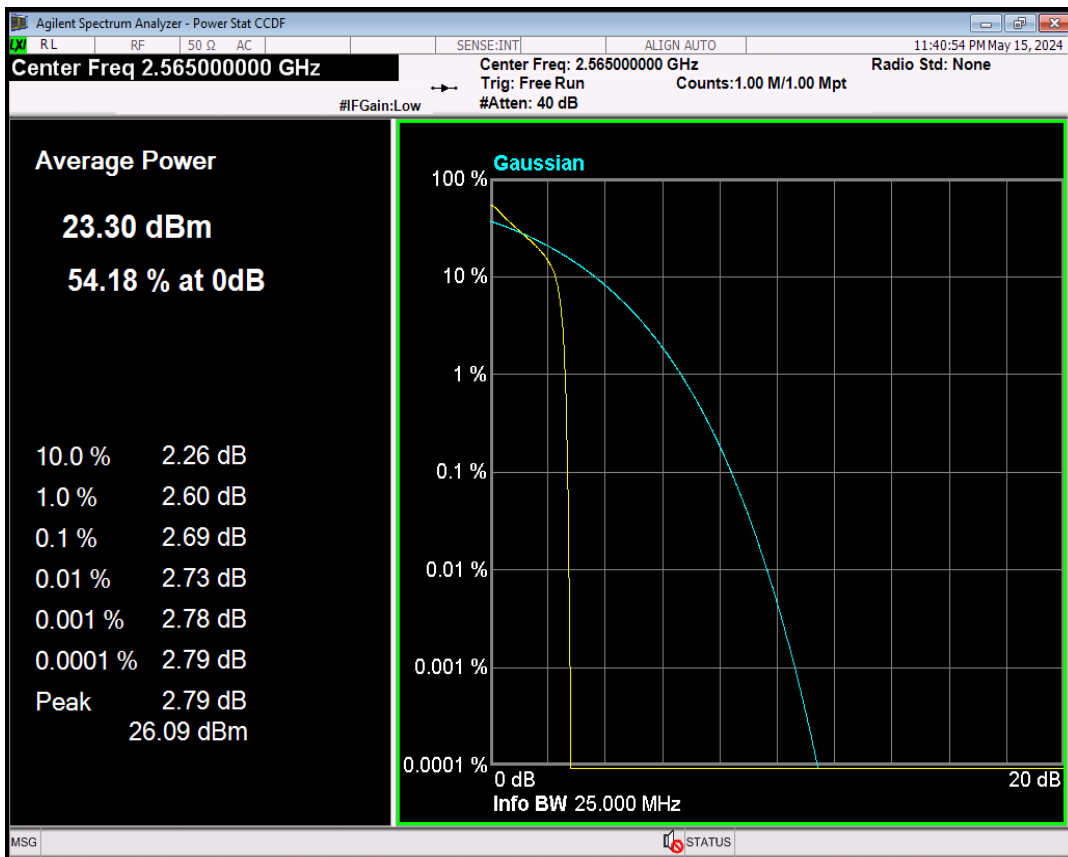


Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0

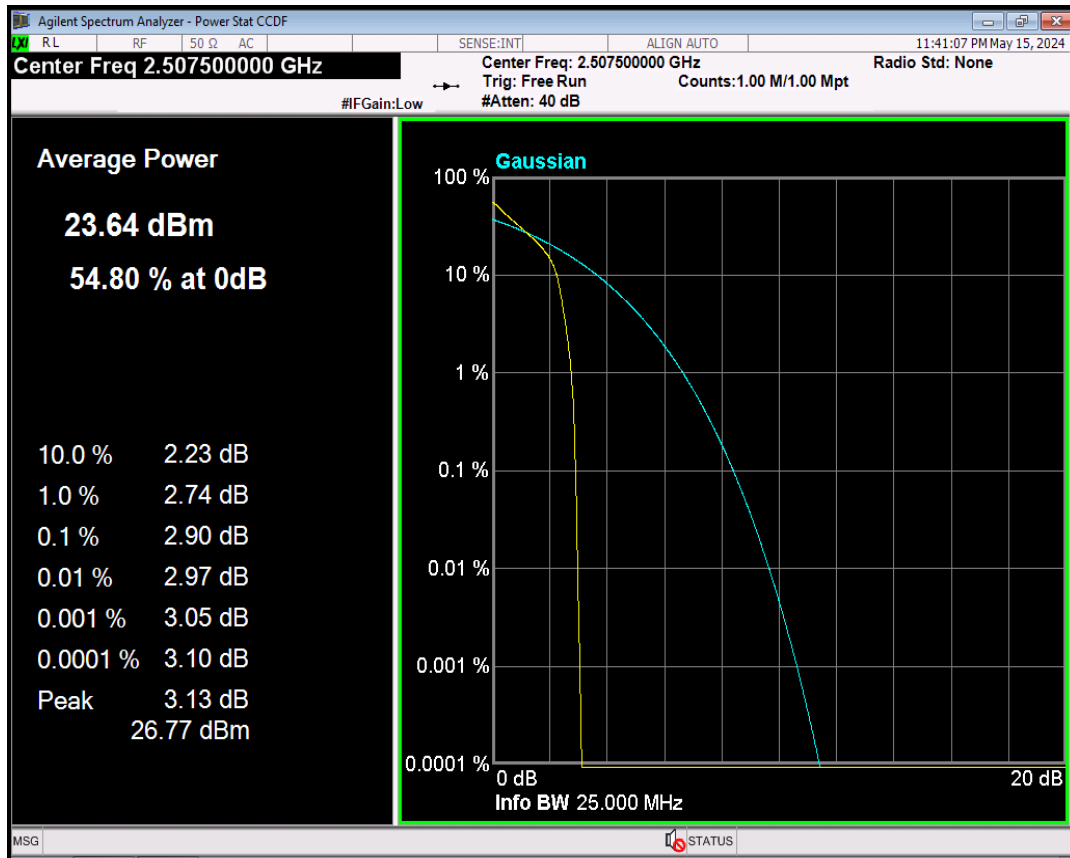




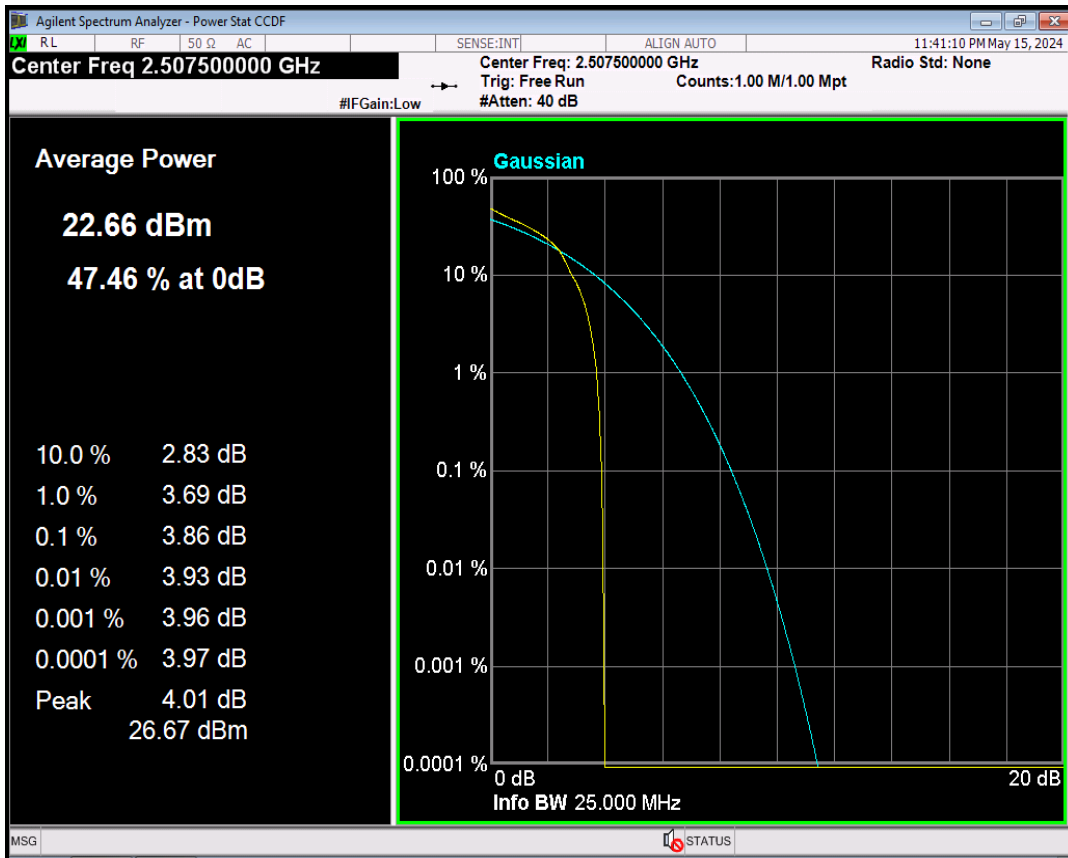
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



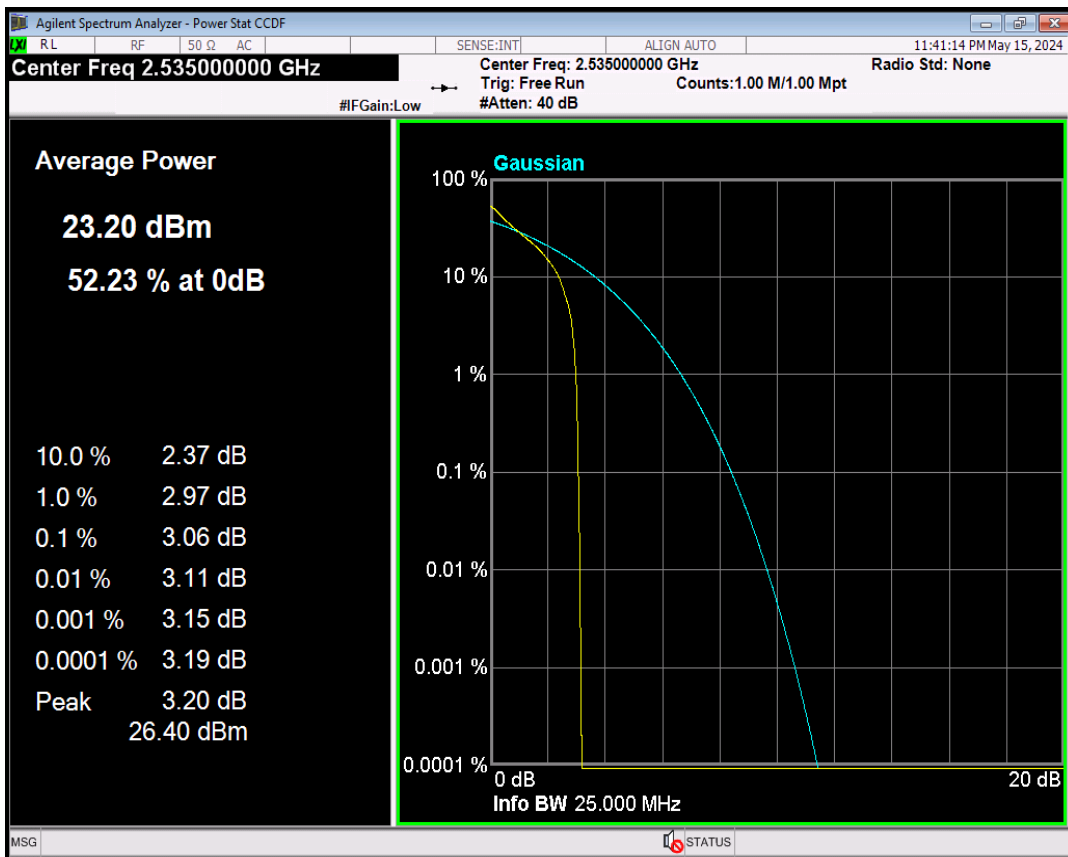
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



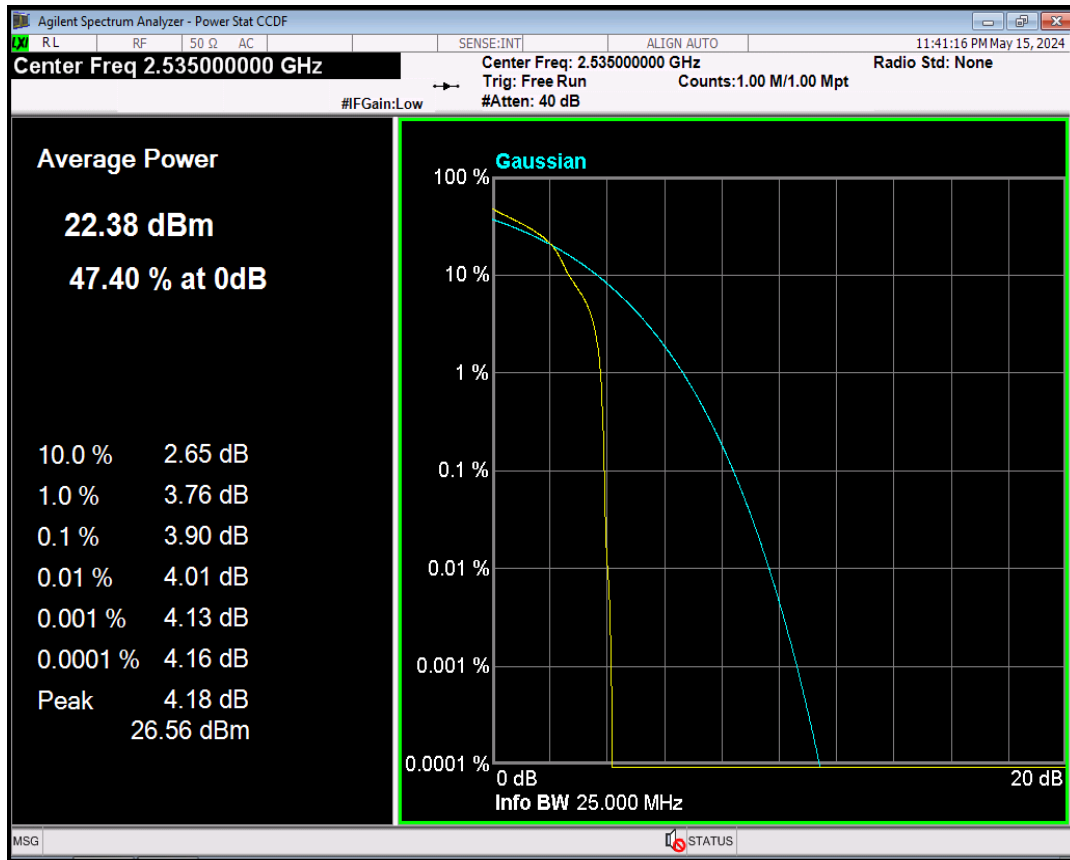
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



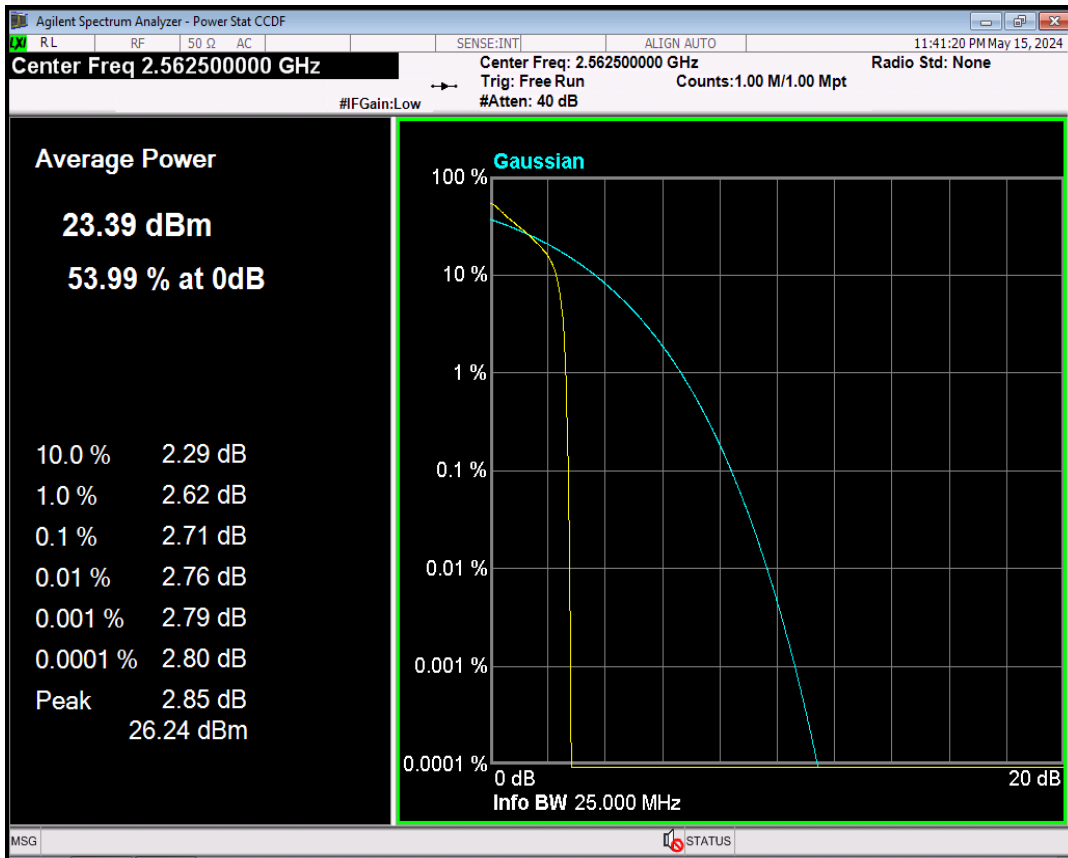
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



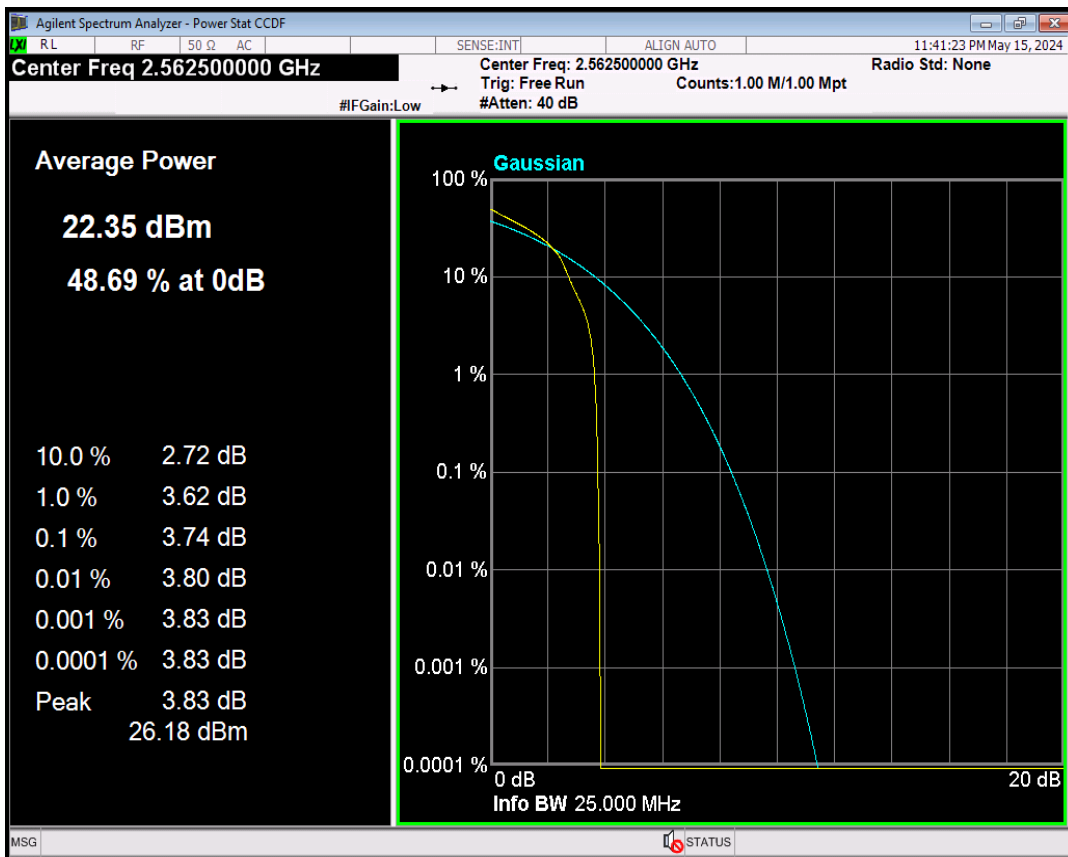
Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



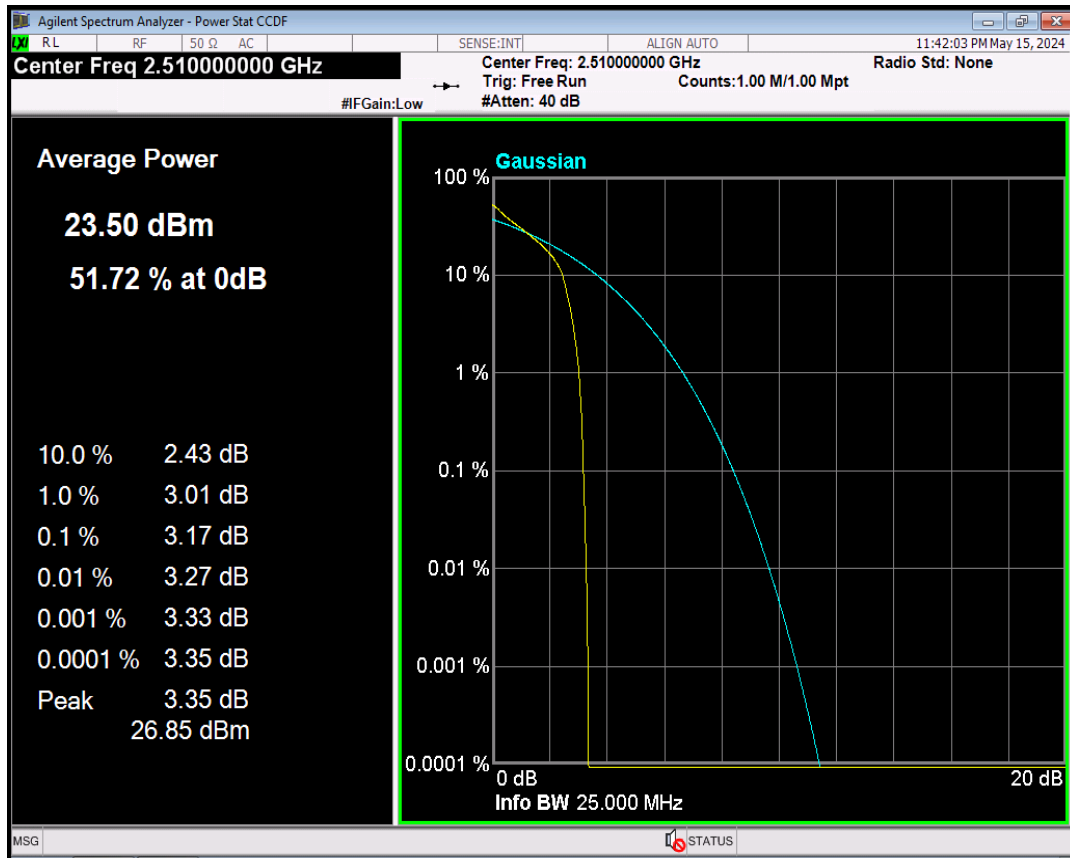
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



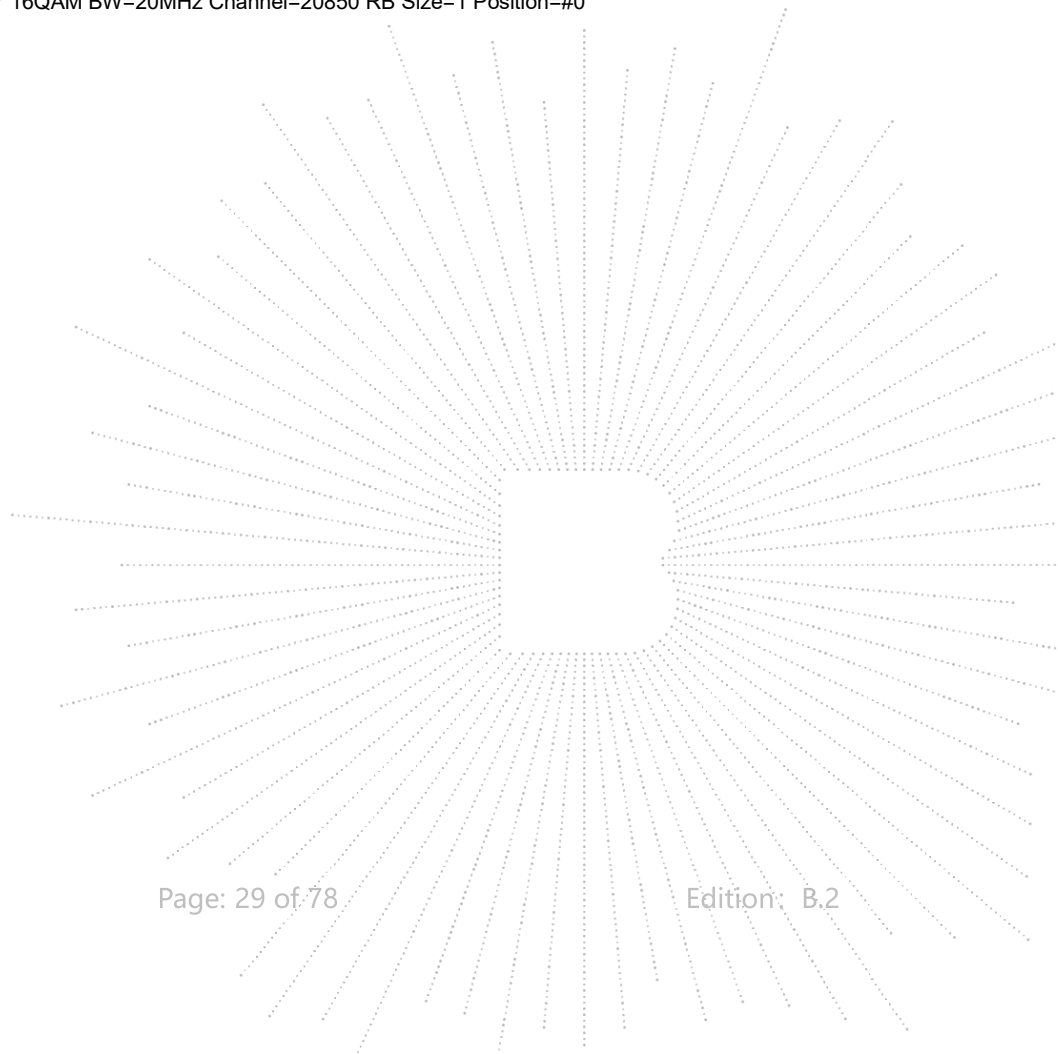
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0

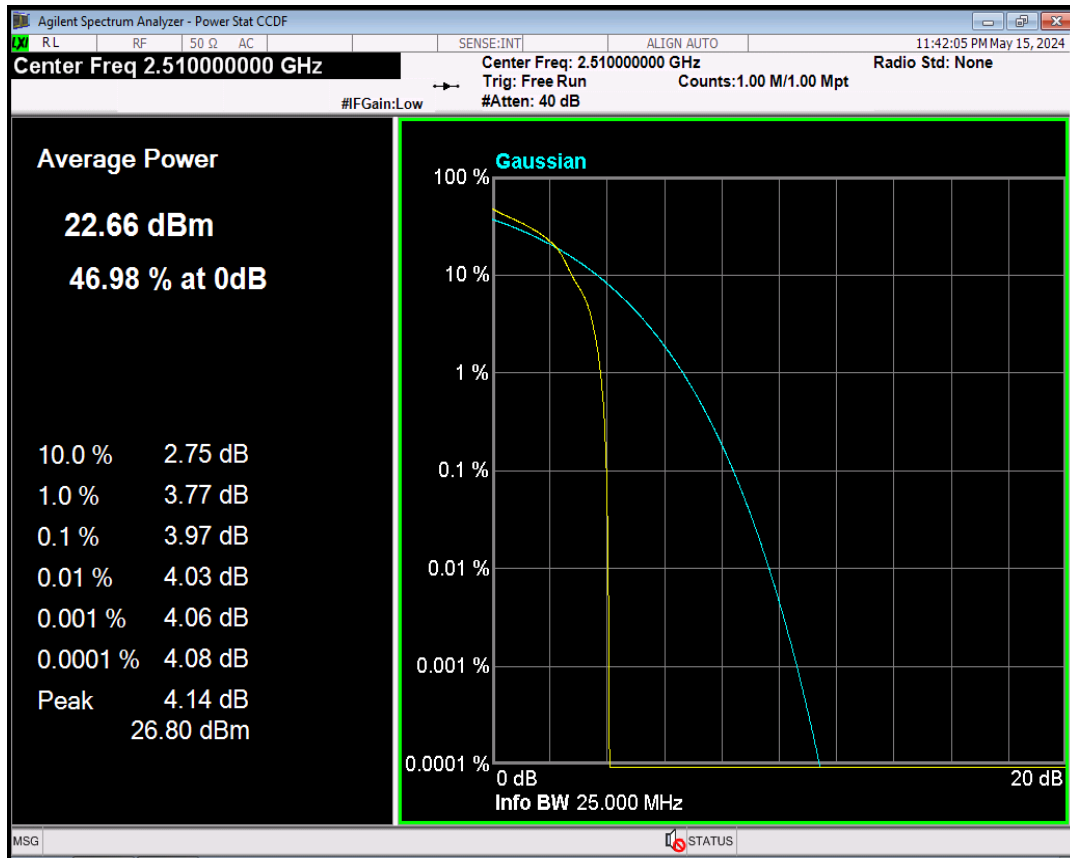


Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0

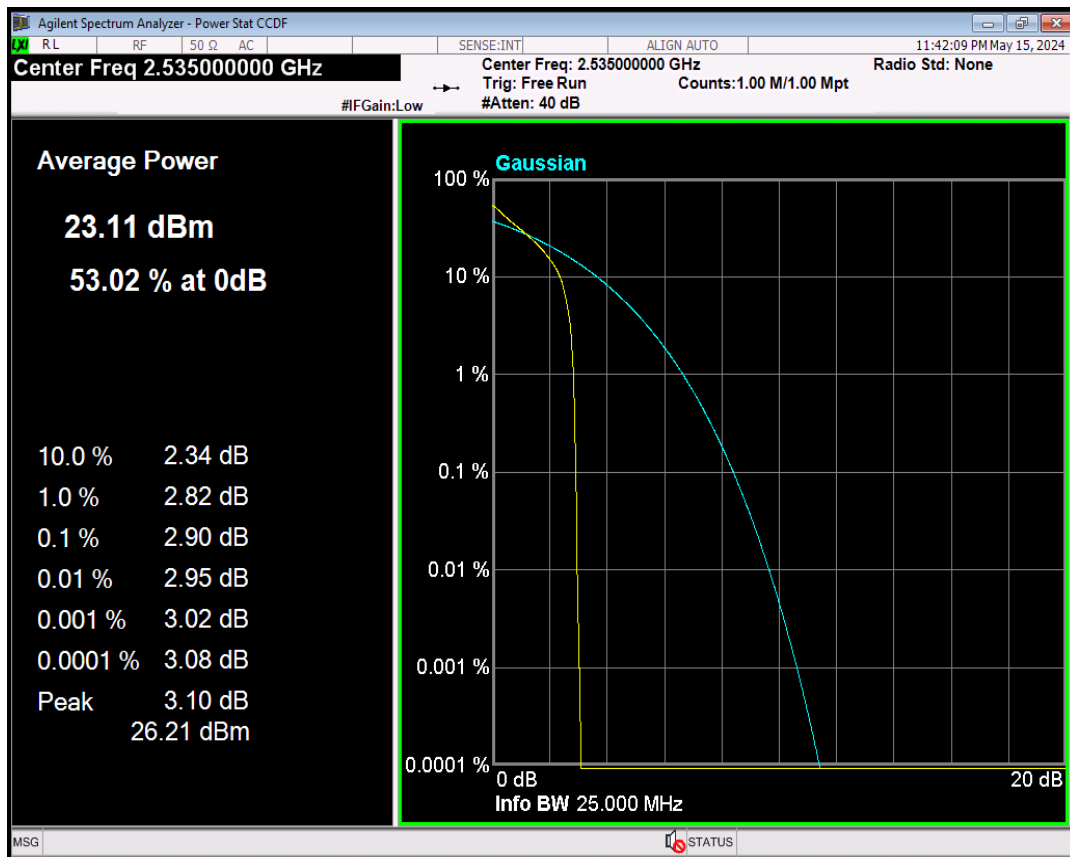


Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0

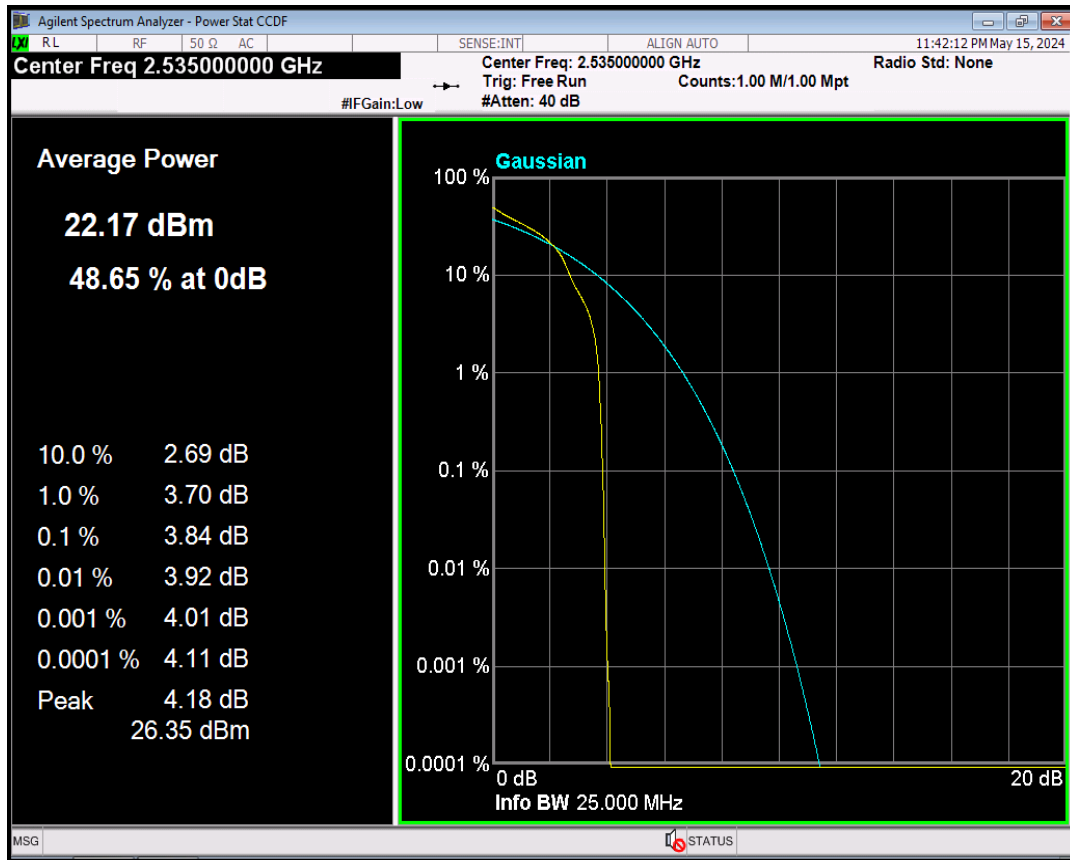




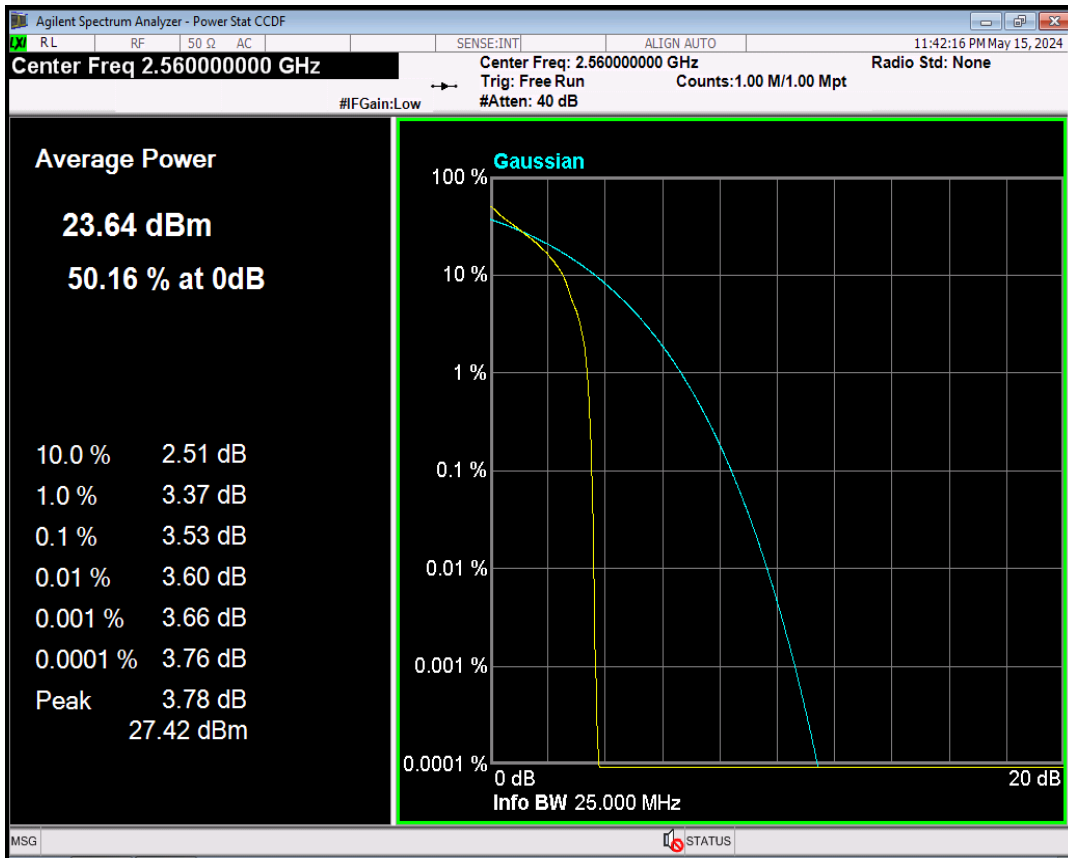
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



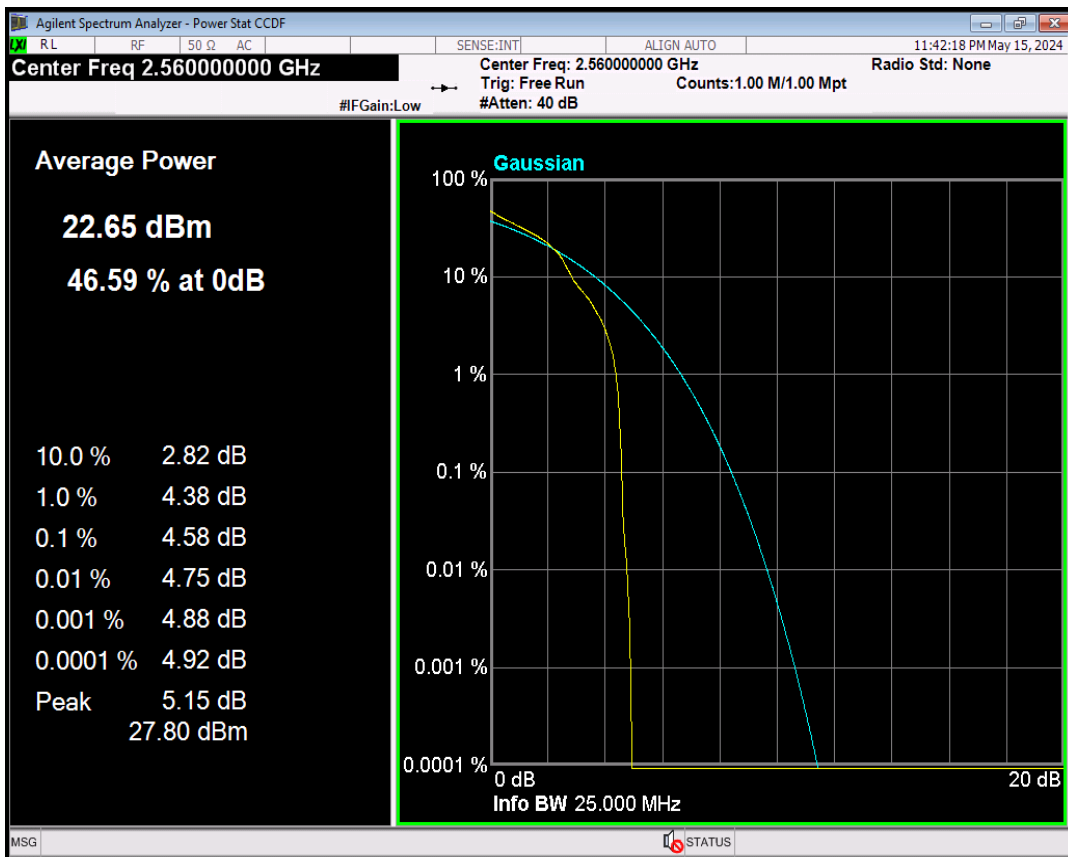
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



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



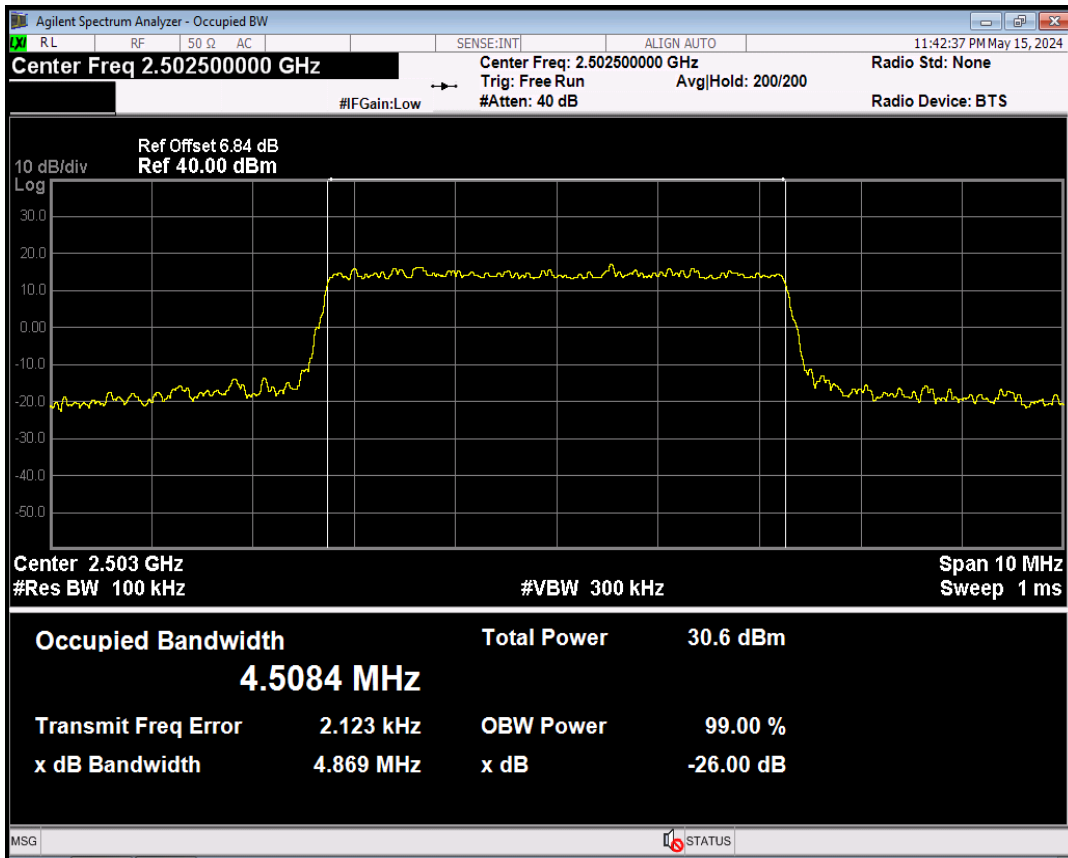
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0



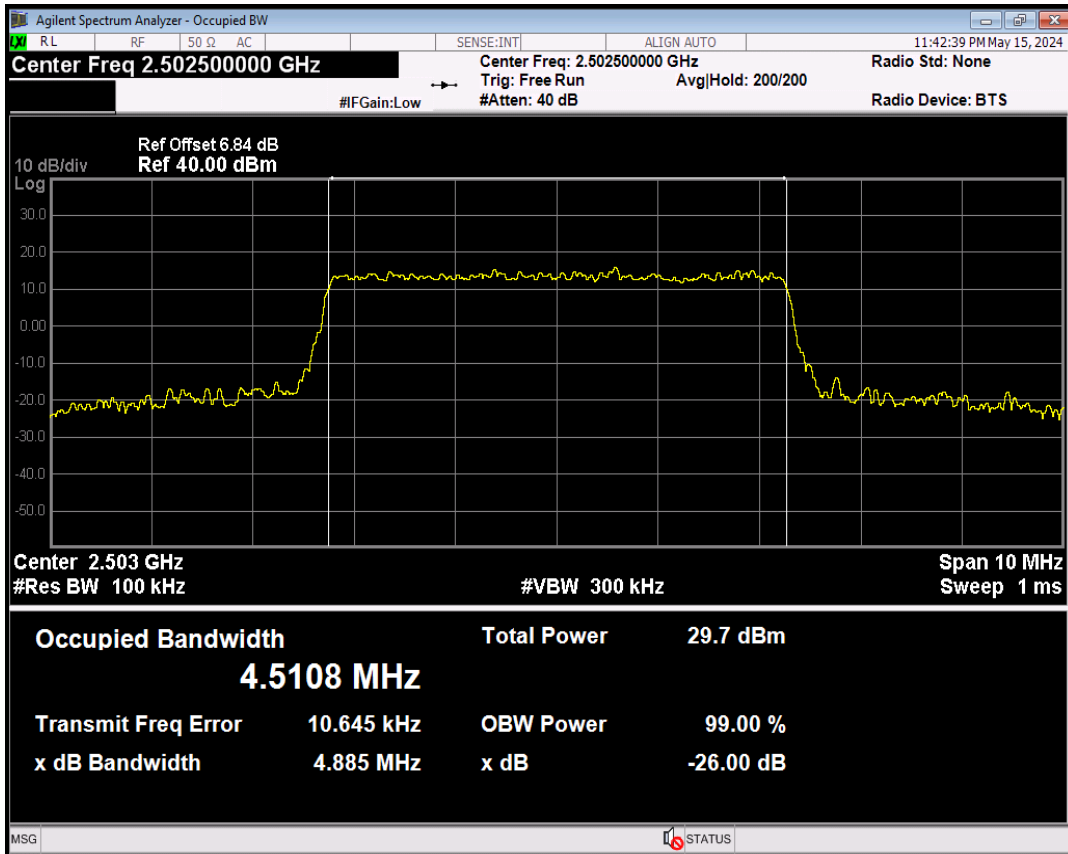
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.508	4.869	PASS
Band7	5	20775	25	#0	16QAM	4.511	4.885	PASS
Band7	5	21100	25	#0	QPSK	4.504	4.901	PASS
Band7	5	21100	25	#0	16QAM	4.497	4.875	PASS
Band7	5	21425	25	#0	QPSK	4.509	4.864	PASS
Band7	5	21425	25	#0	16QAM	4.495	4.862	PASS
Band7	10	20800	50	#0	QPSK	8.992	9.802	PASS
Band7	10	20800	50	#0	16QAM	8.999	9.730	PASS
Band7	10	21100	50	#0	QPSK	8.992	9.727	PASS
Band7	10	21100	50	#0	16QAM	8.978	9.599	PASS
Band7	10	21400	50	#0	QPSK	9.003	9.627	PASS
Band7	10	21400	50	#0	16QAM	8.979	9.686	PASS
Band7	15	20825	75	#0	QPSK	13.505	14.502	PASS
Band7	15	20825	75	#0	16QAM	13.486	14.564	PASS
Band7	15	21100	75	#0	QPSK	13.423	14.292	PASS
Band7	15	21100	75	#0	16QAM	13.411	14.448	PASS
Band7	15	21375	75	#0	QPSK	13.513	14.740	PASS
Band7	15	21375	75	#0	16QAM	13.534	14.495	PASS
Band7	20	20850	100	#0	QPSK	17.933	19.196	PASS
Band7	20	20850	100	#0	16QAM	17.920	19.301	PASS
Band7	20	21100	100	#0	QPSK	17.912	19.251	PASS
Band7	20	21100	100	#0	16QAM	17.930	19.491	PASS
Band7	20	21350	100	#0	QPSK	18.036	19.419	PASS
Band7	20	21350	100	#0	16QAM	18.046	19.063	PASS

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

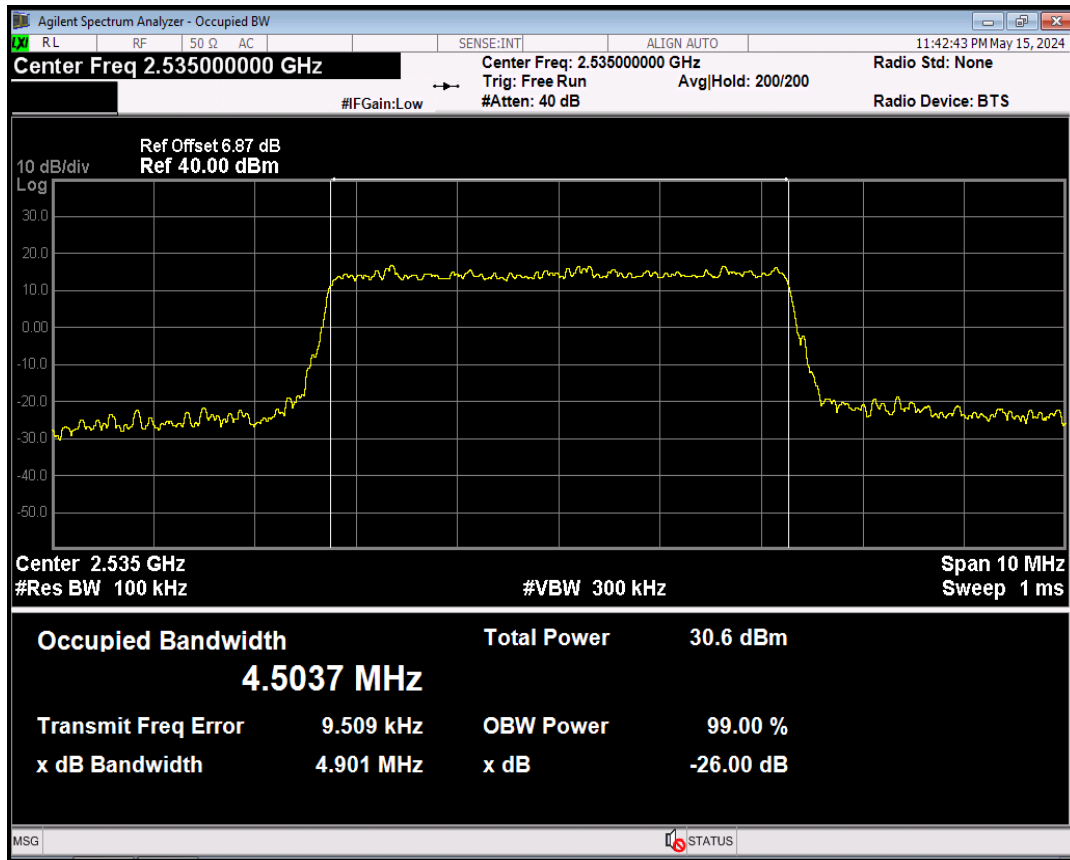


Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

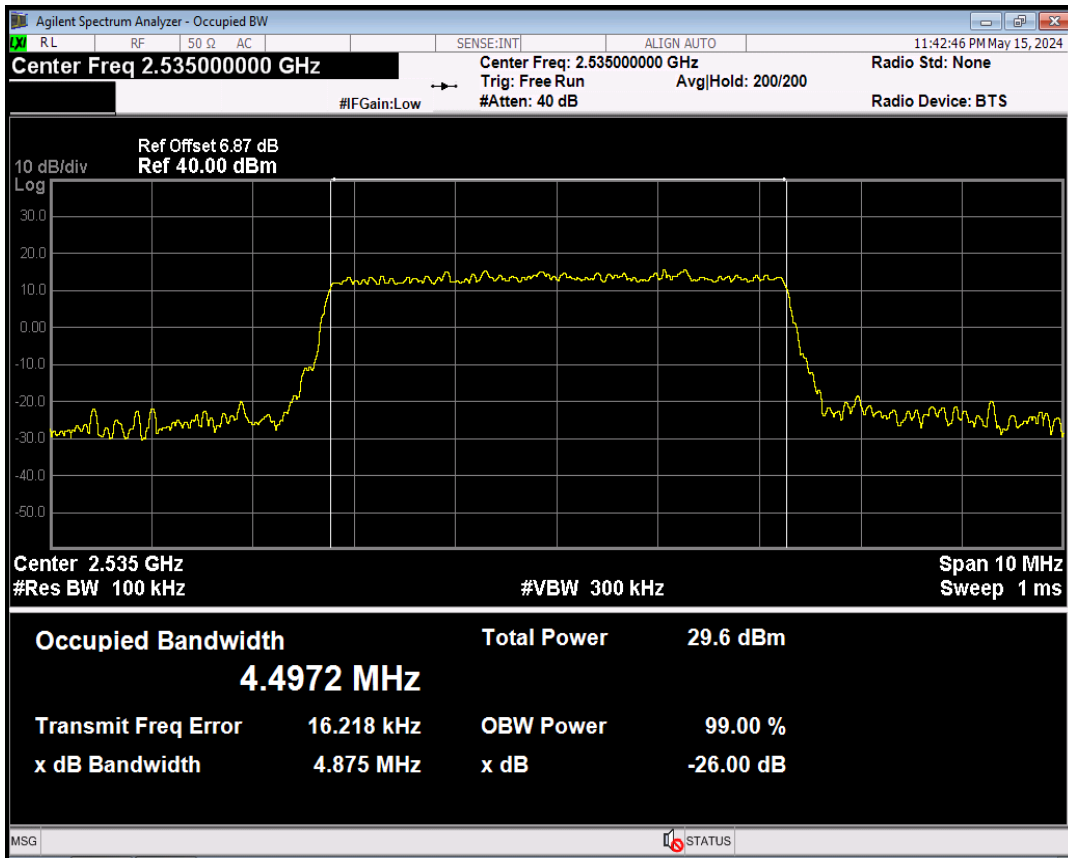




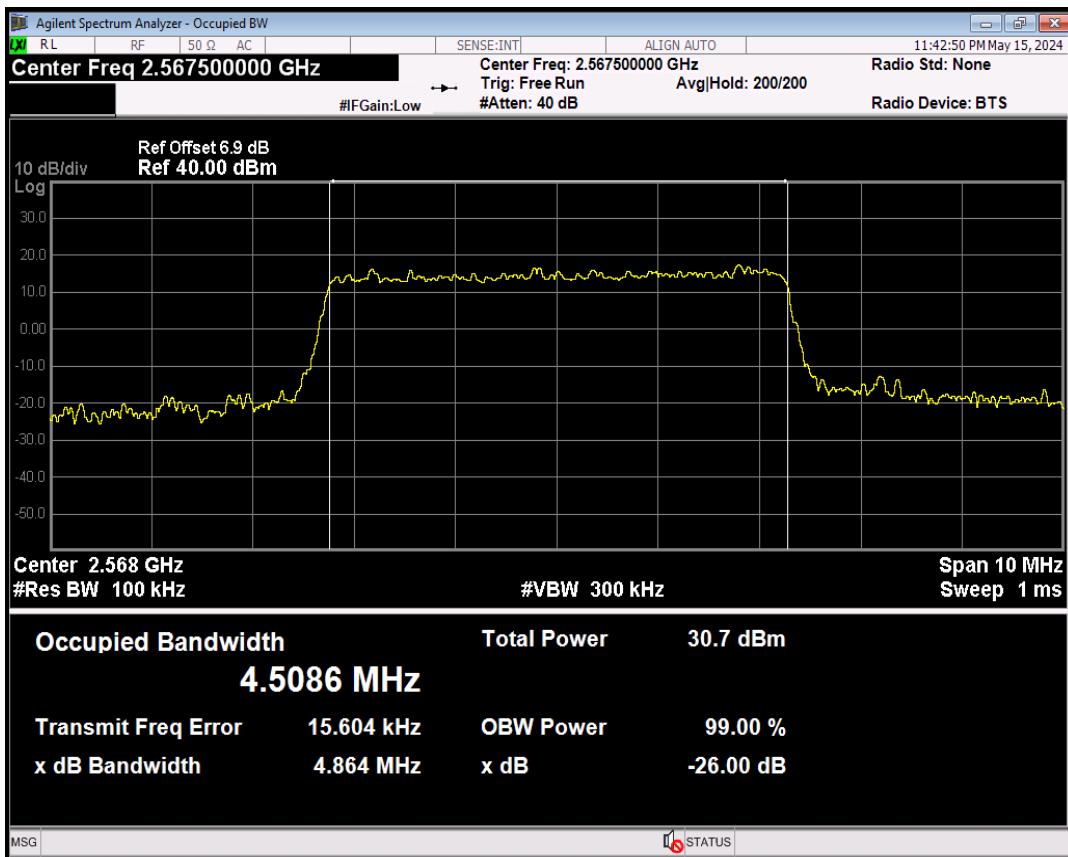
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



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

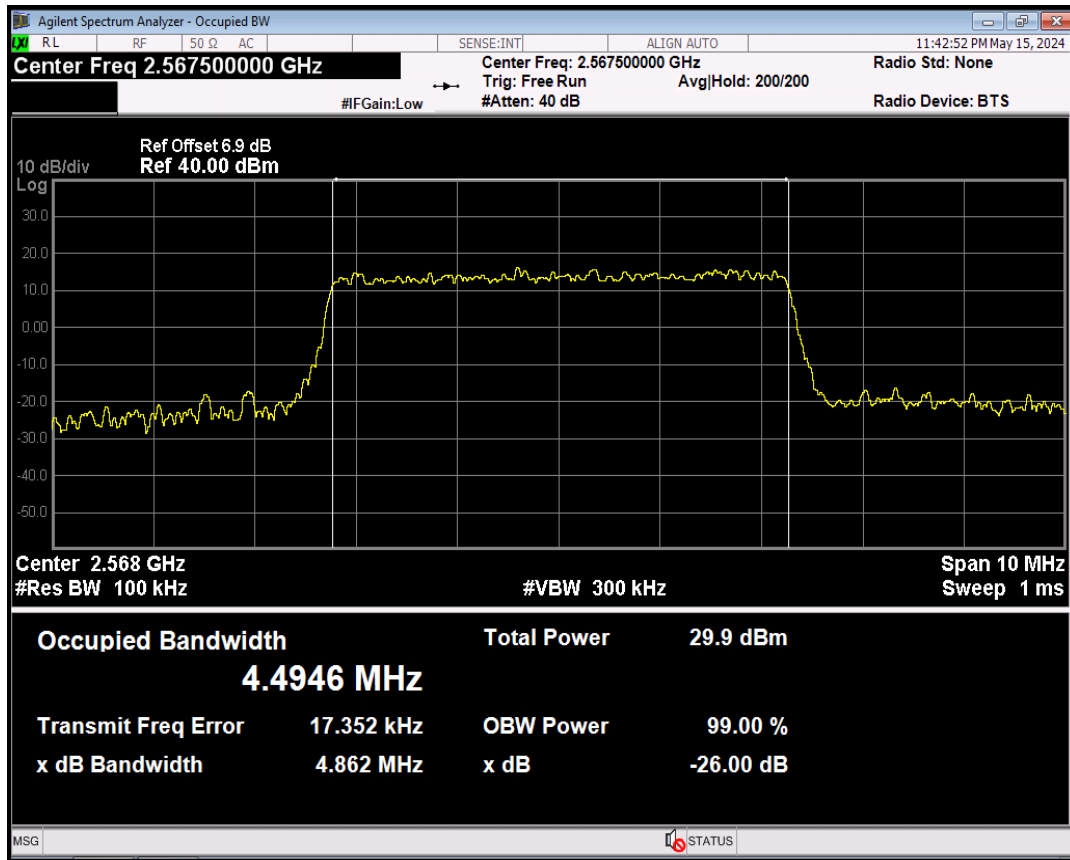


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

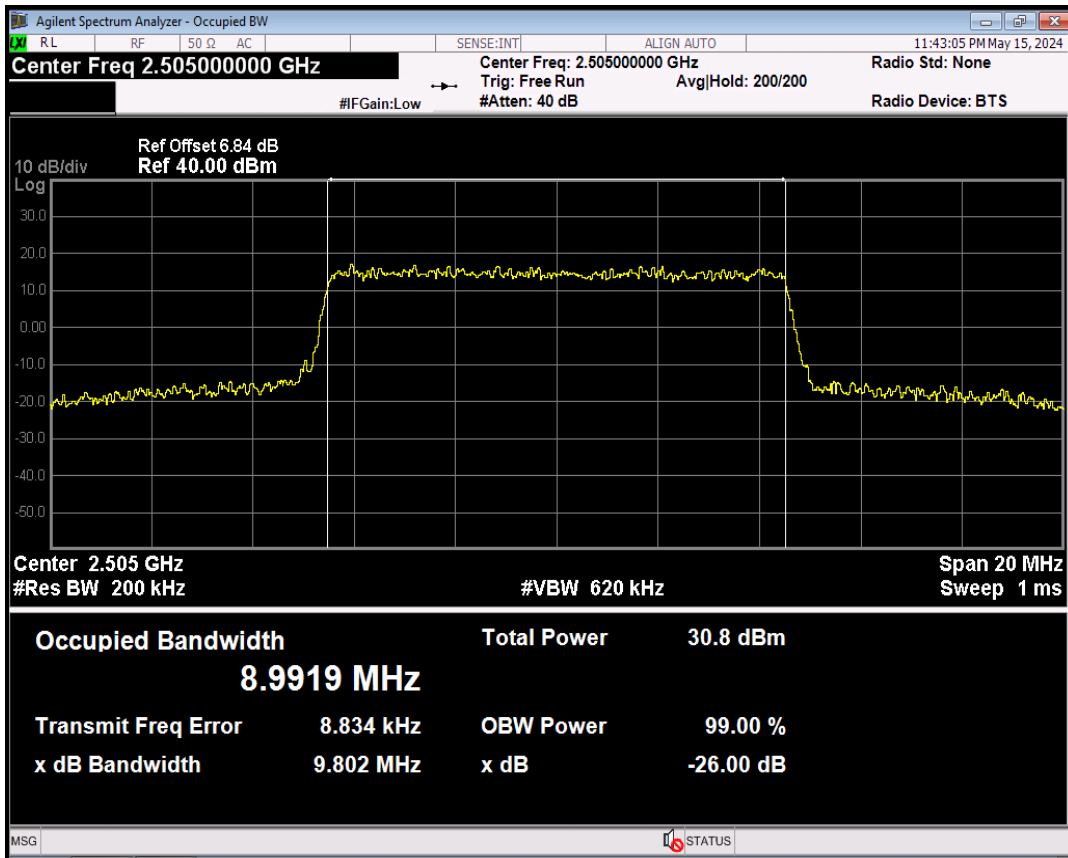




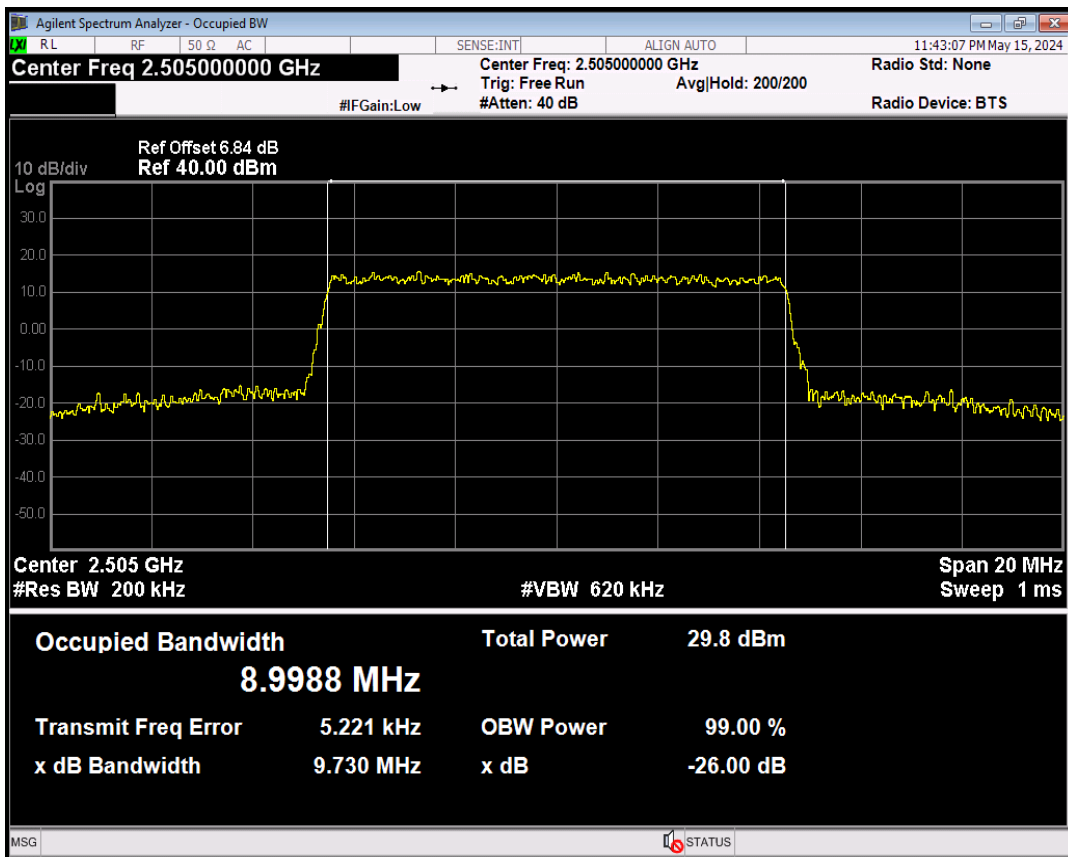
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



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

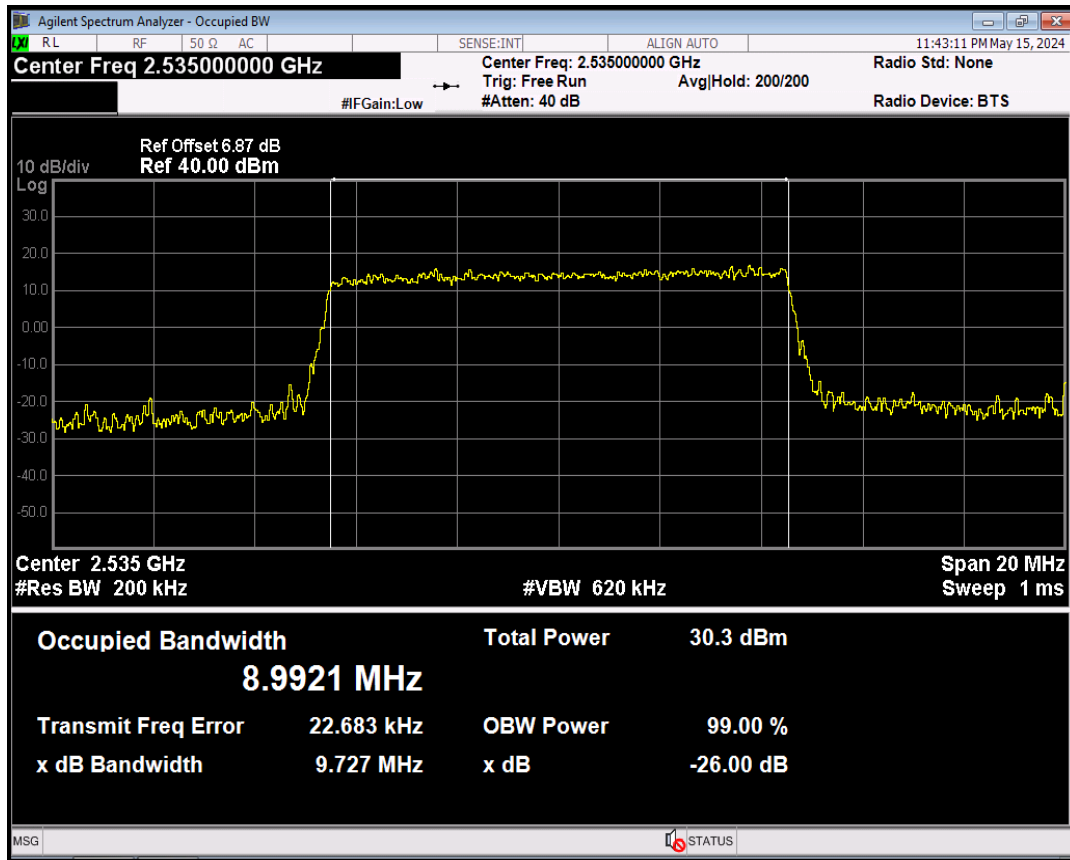


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

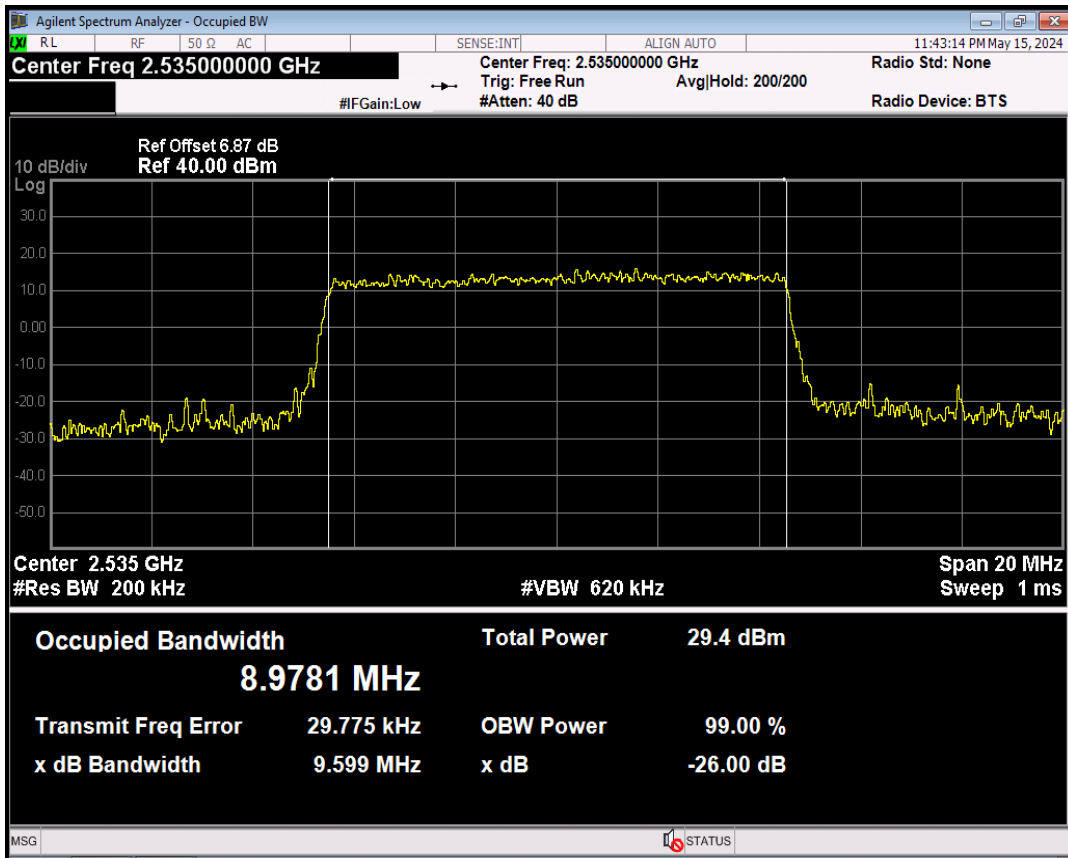




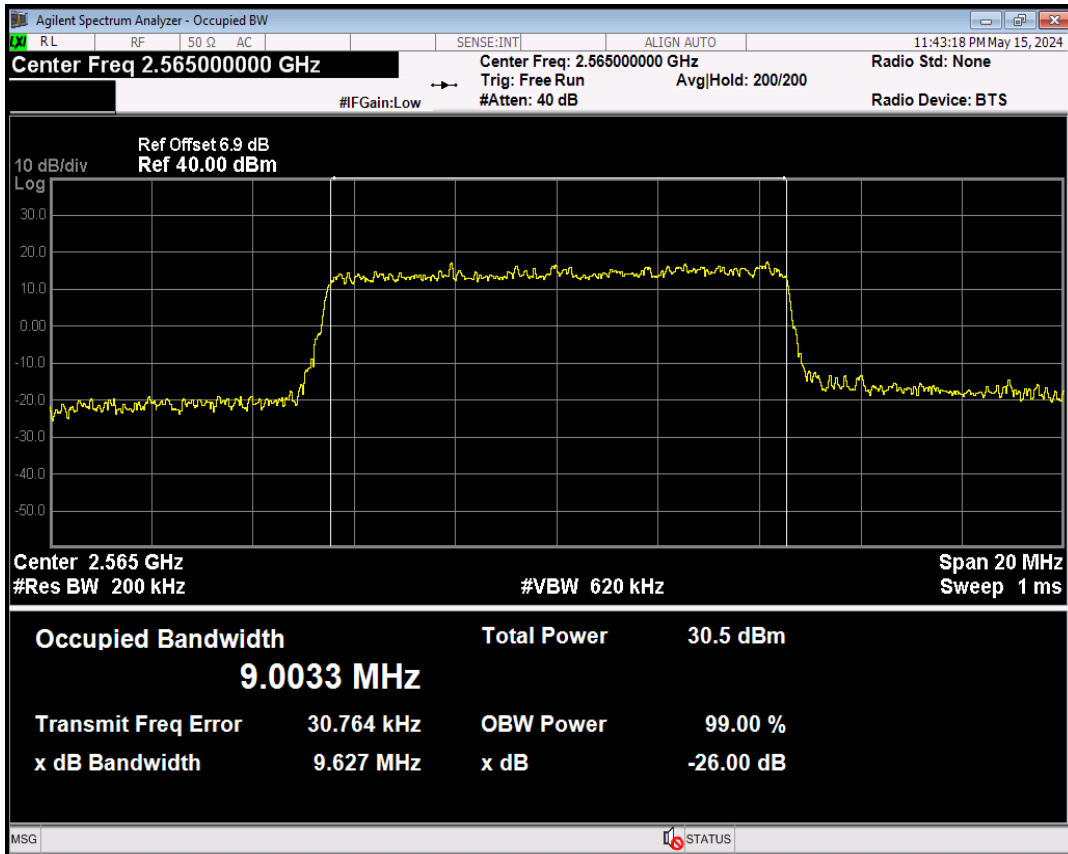
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



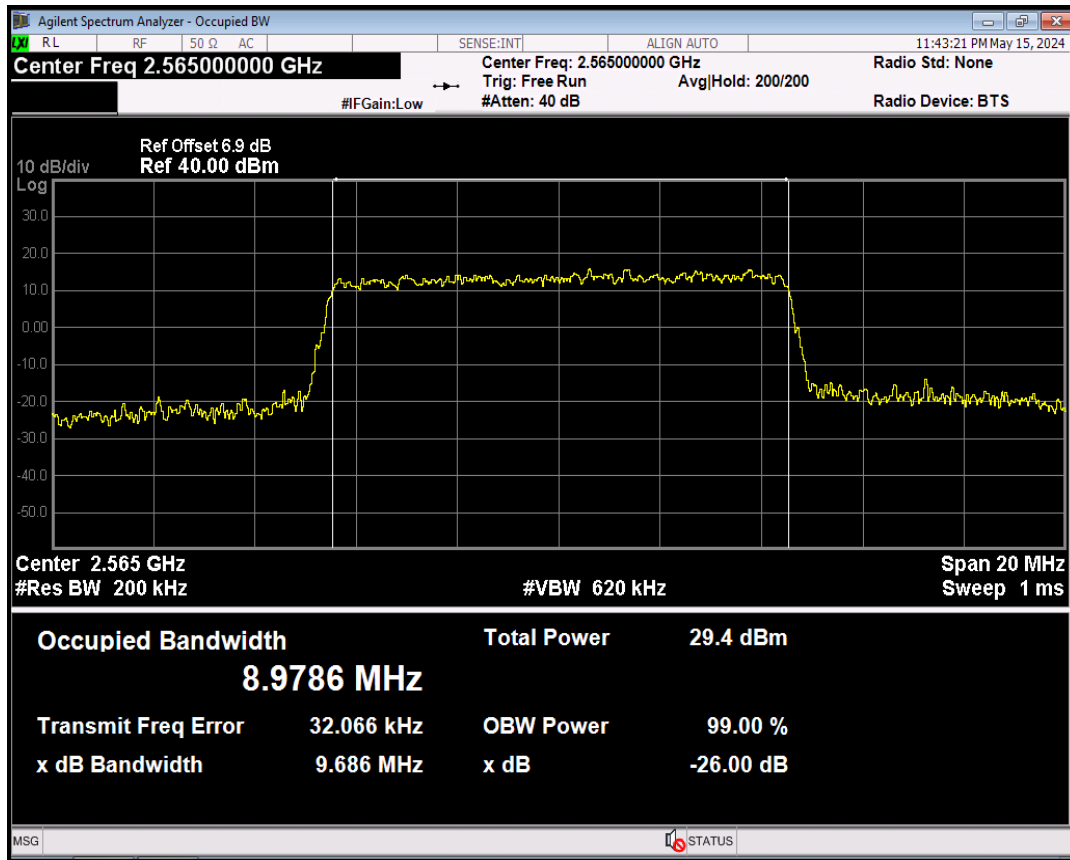
Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



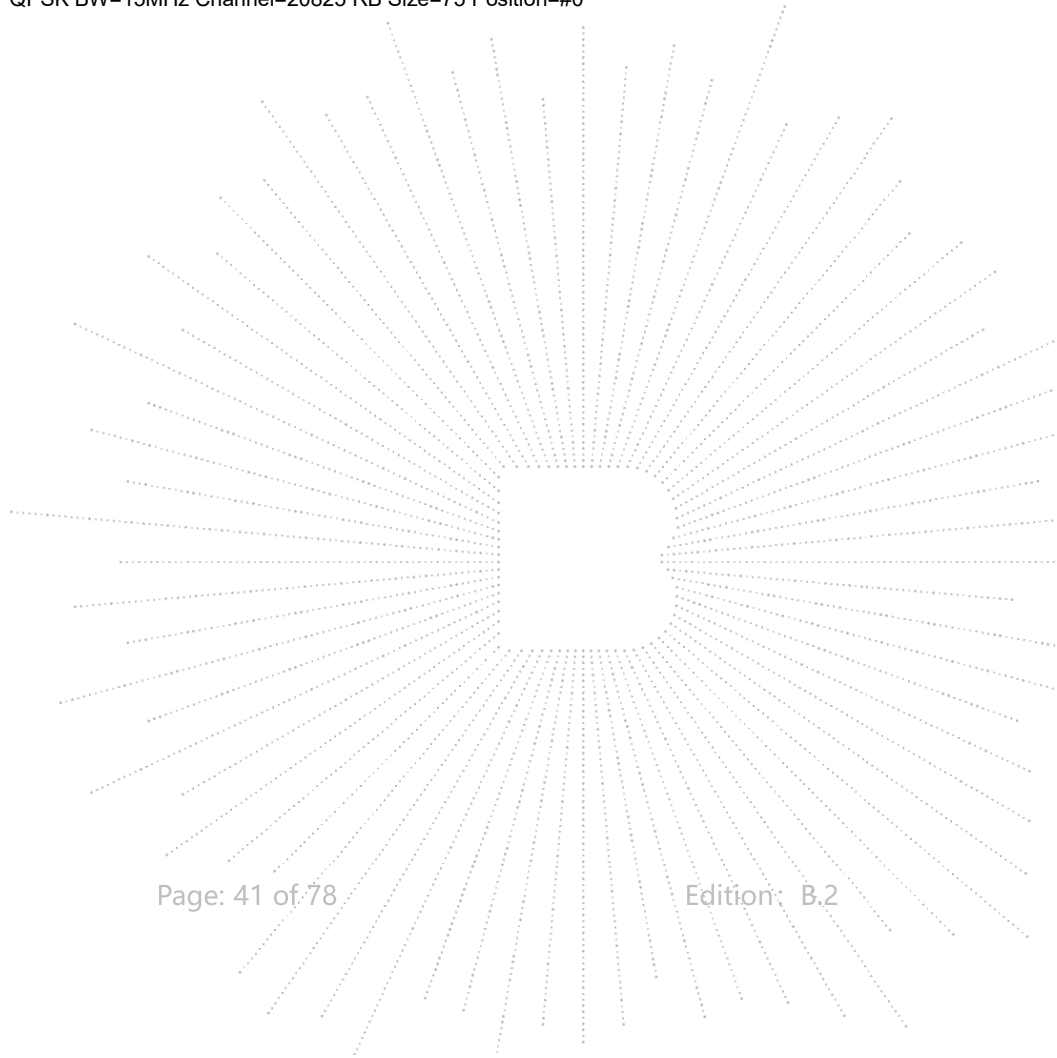
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

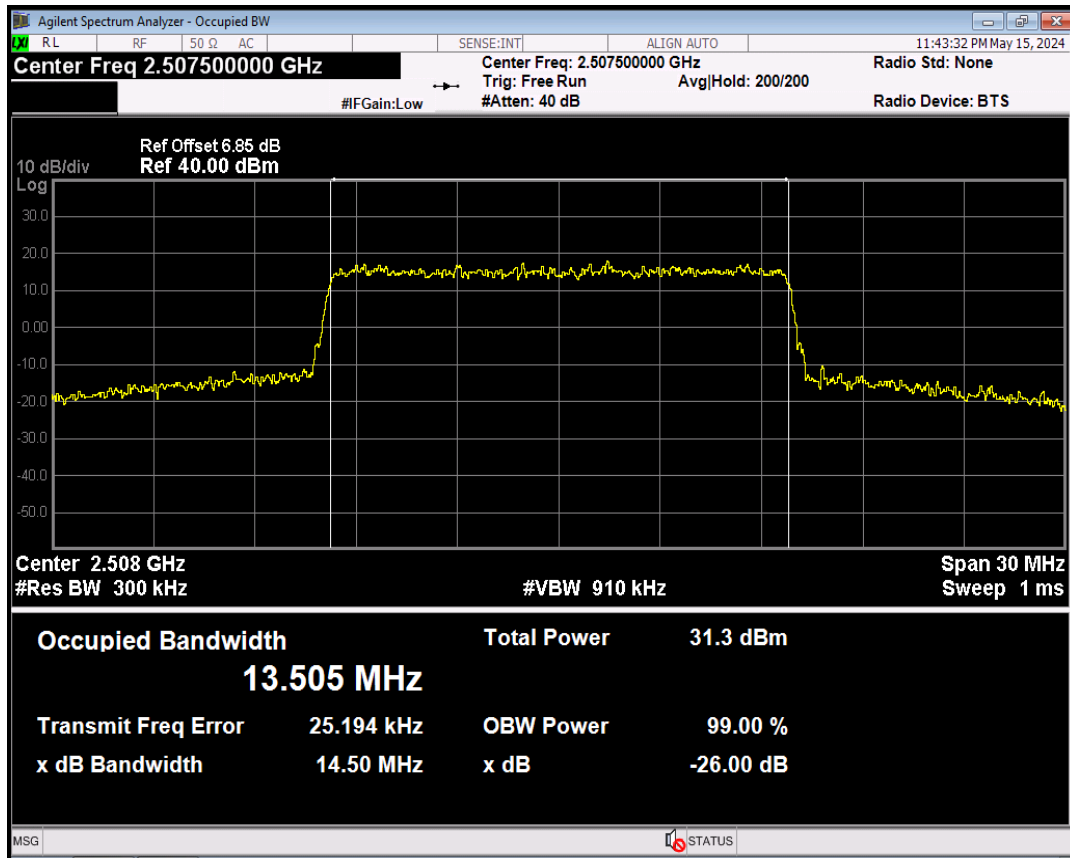


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

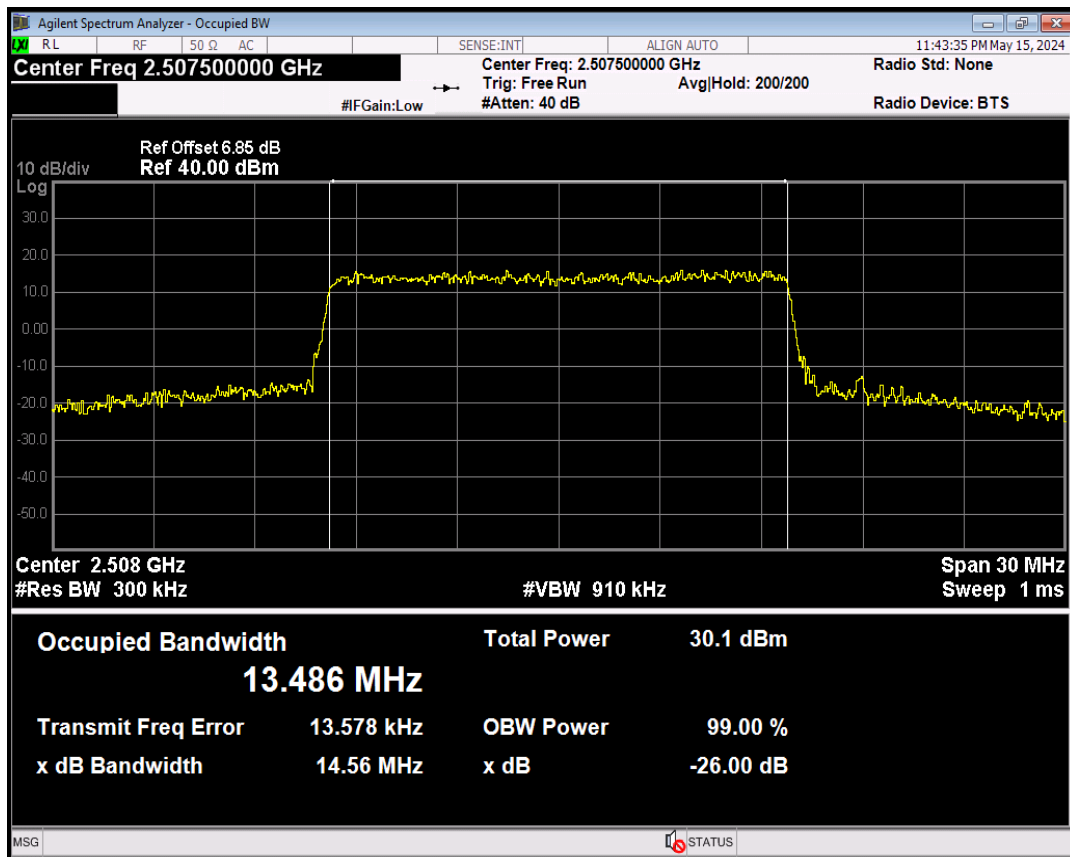


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



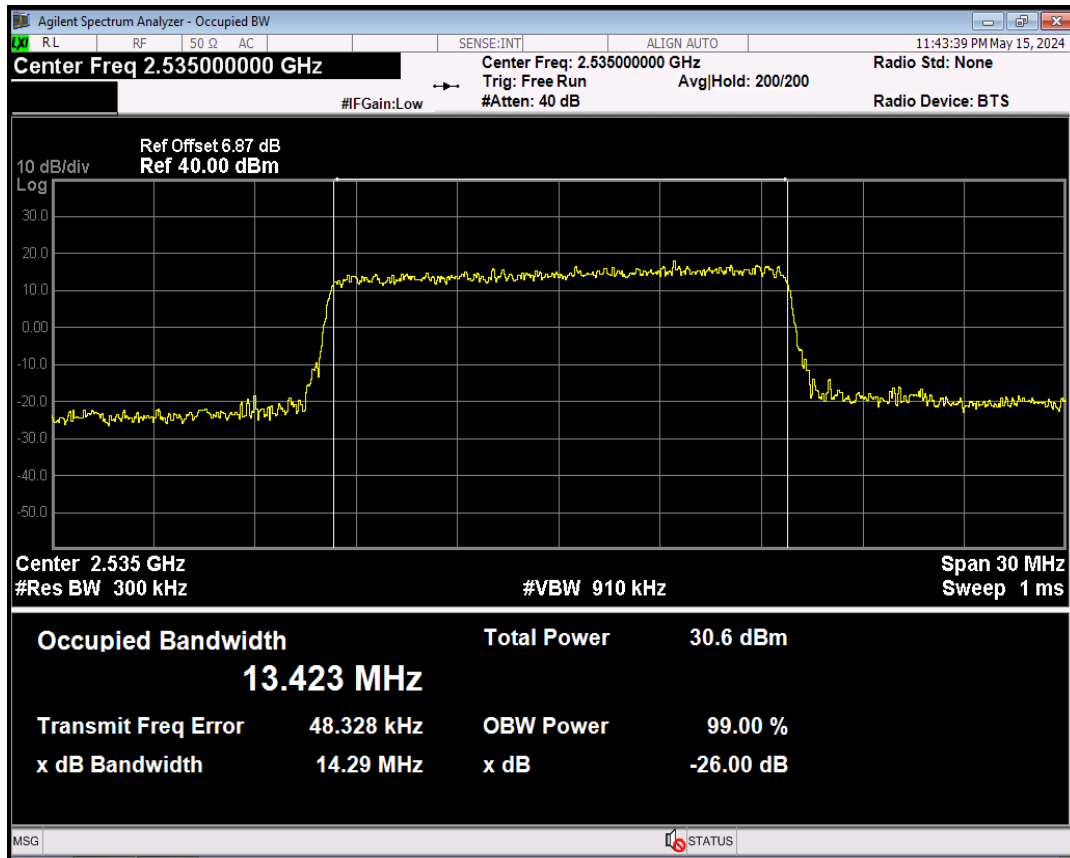


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

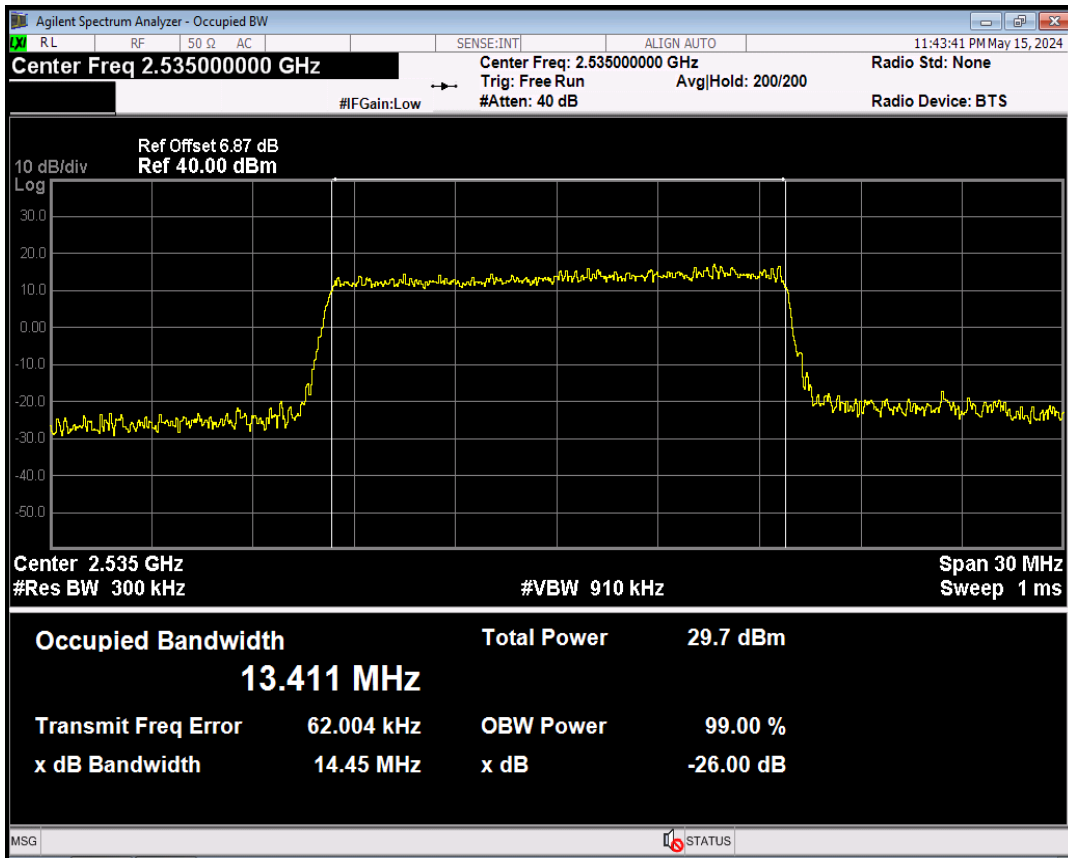




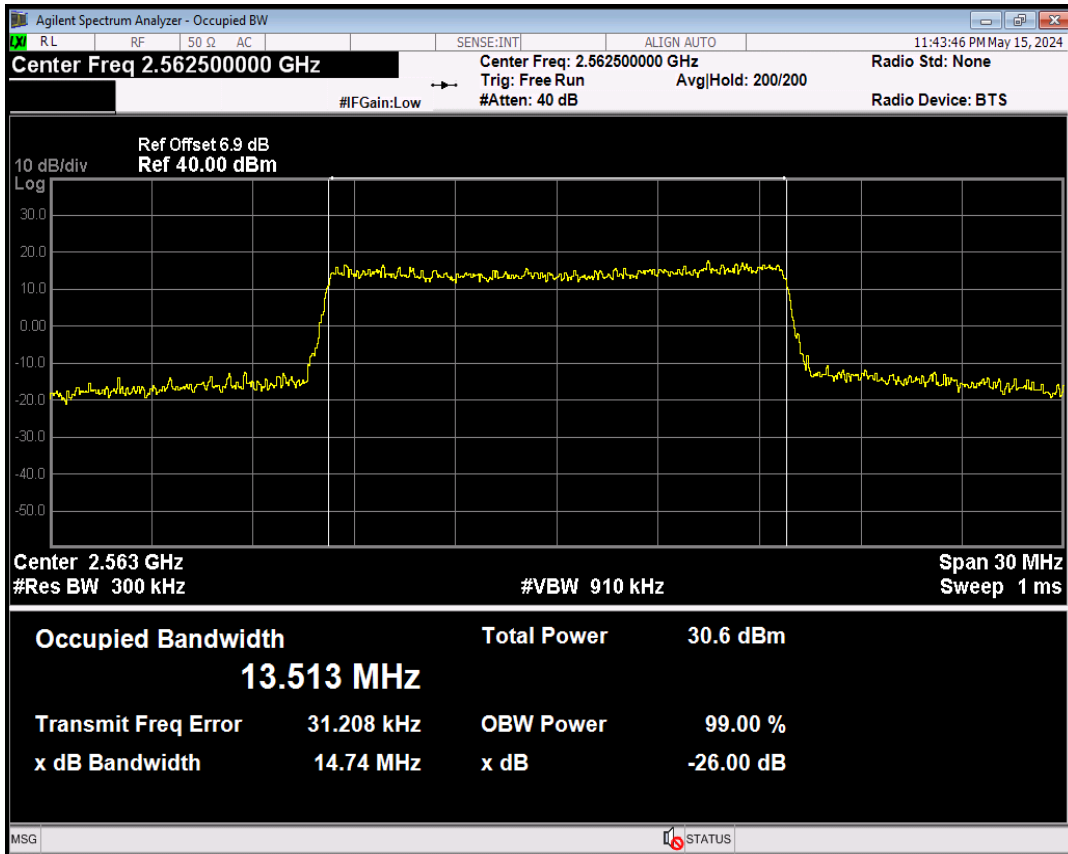
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



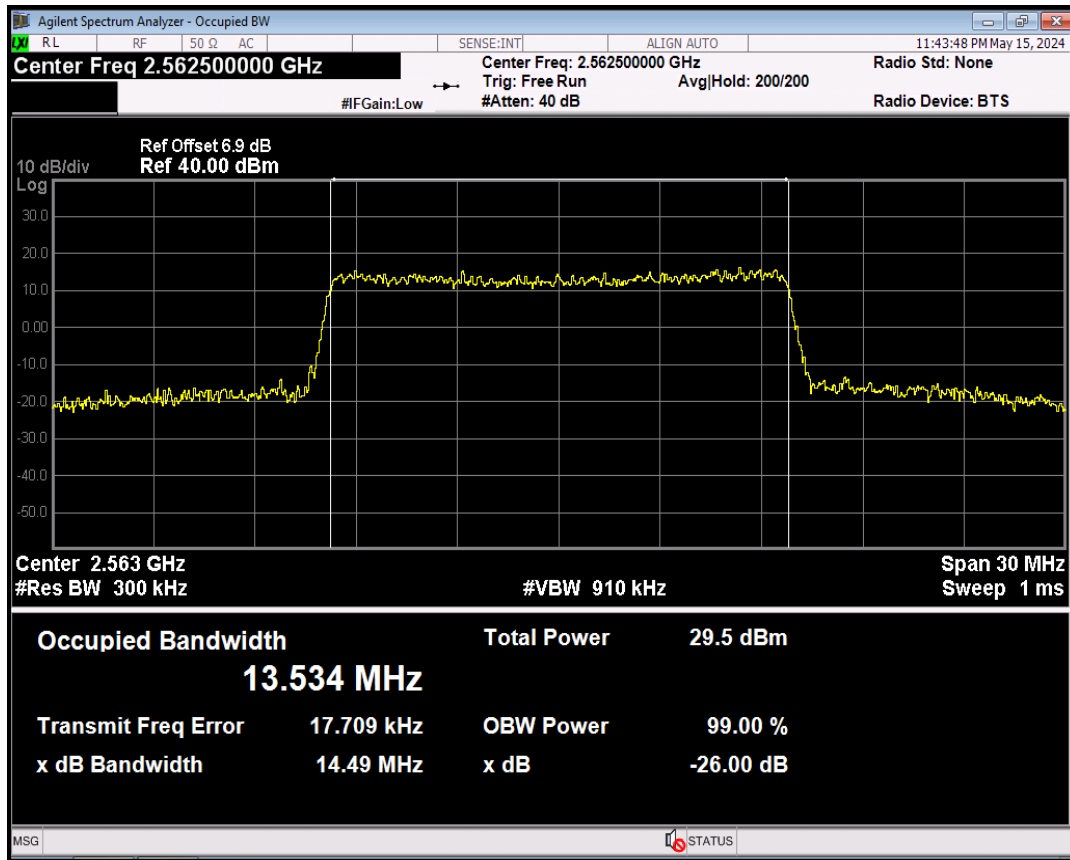
Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0



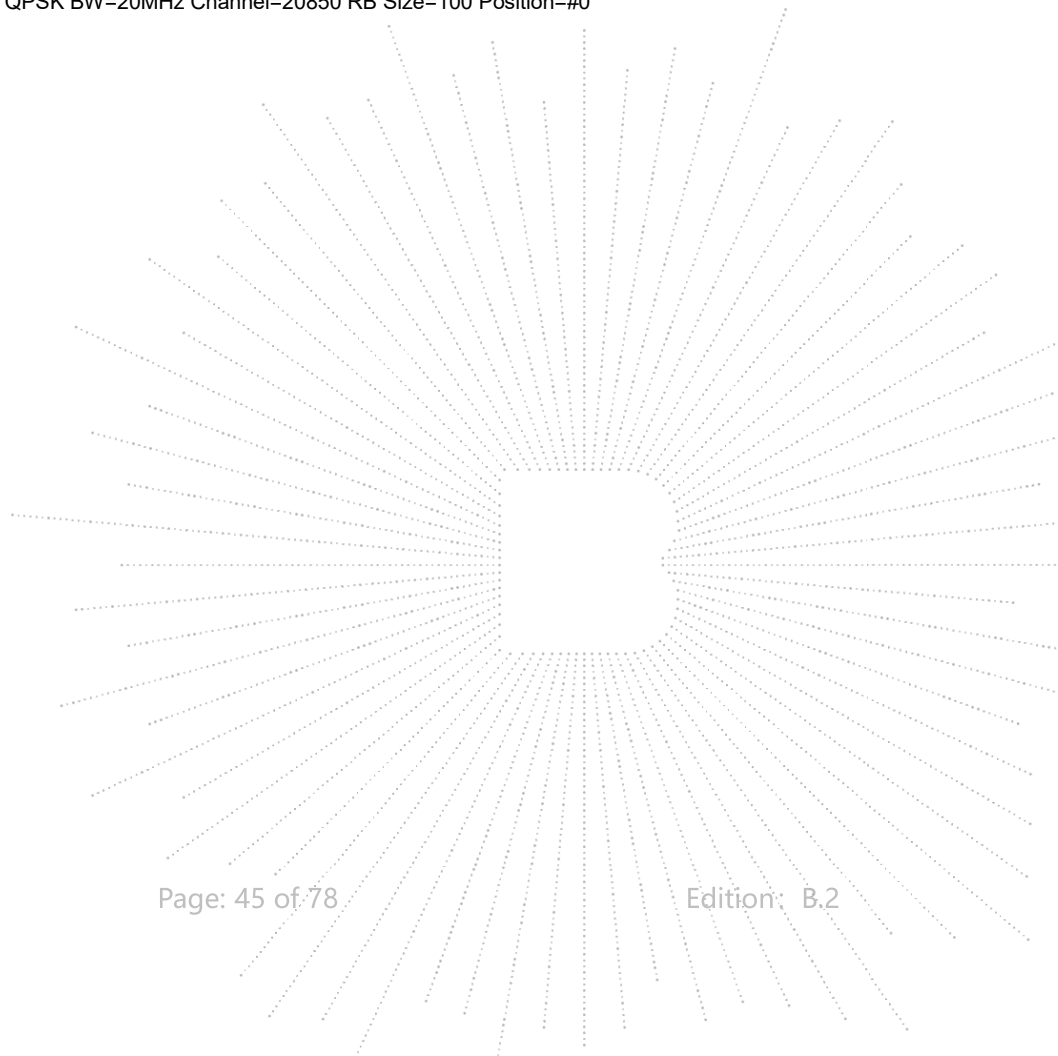
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

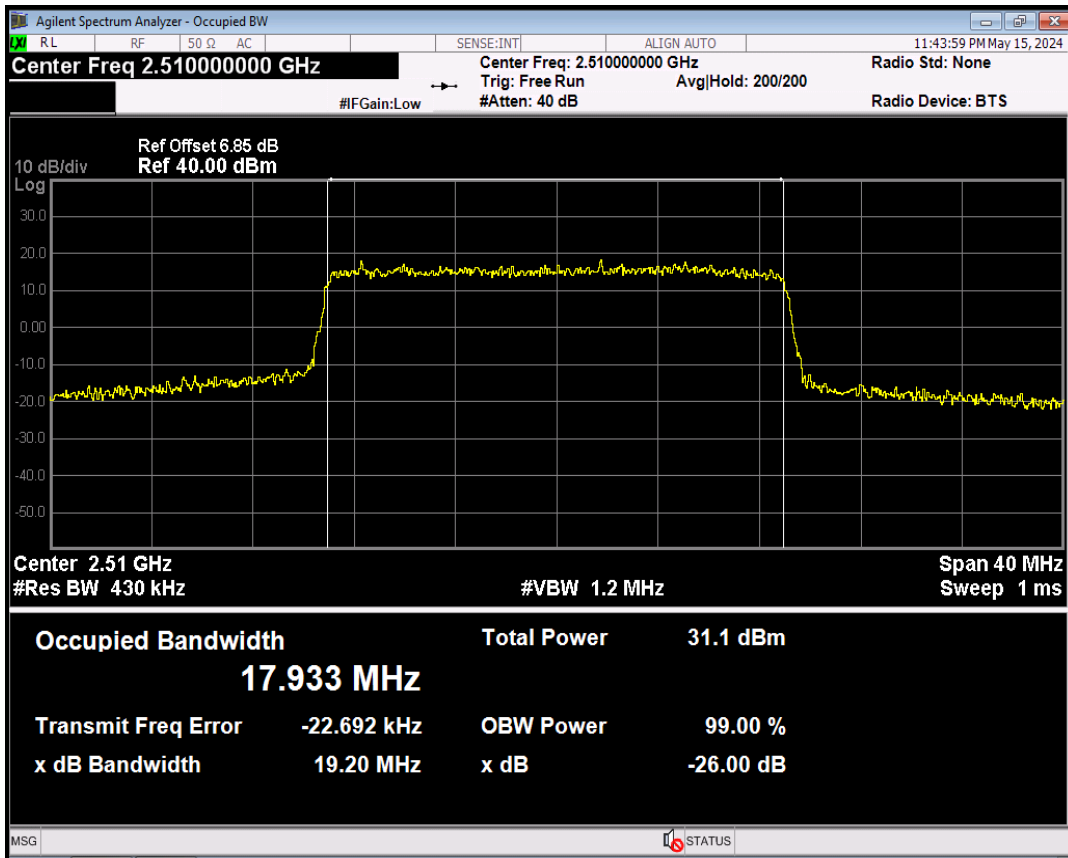


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

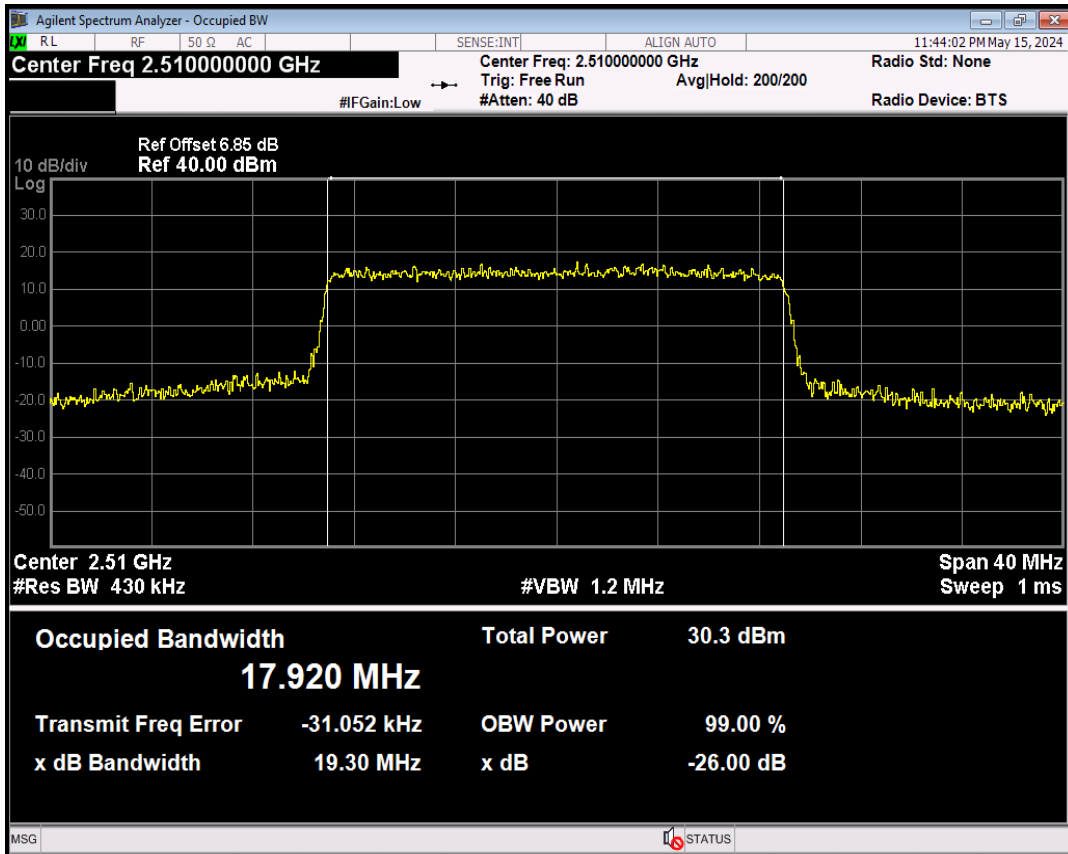


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



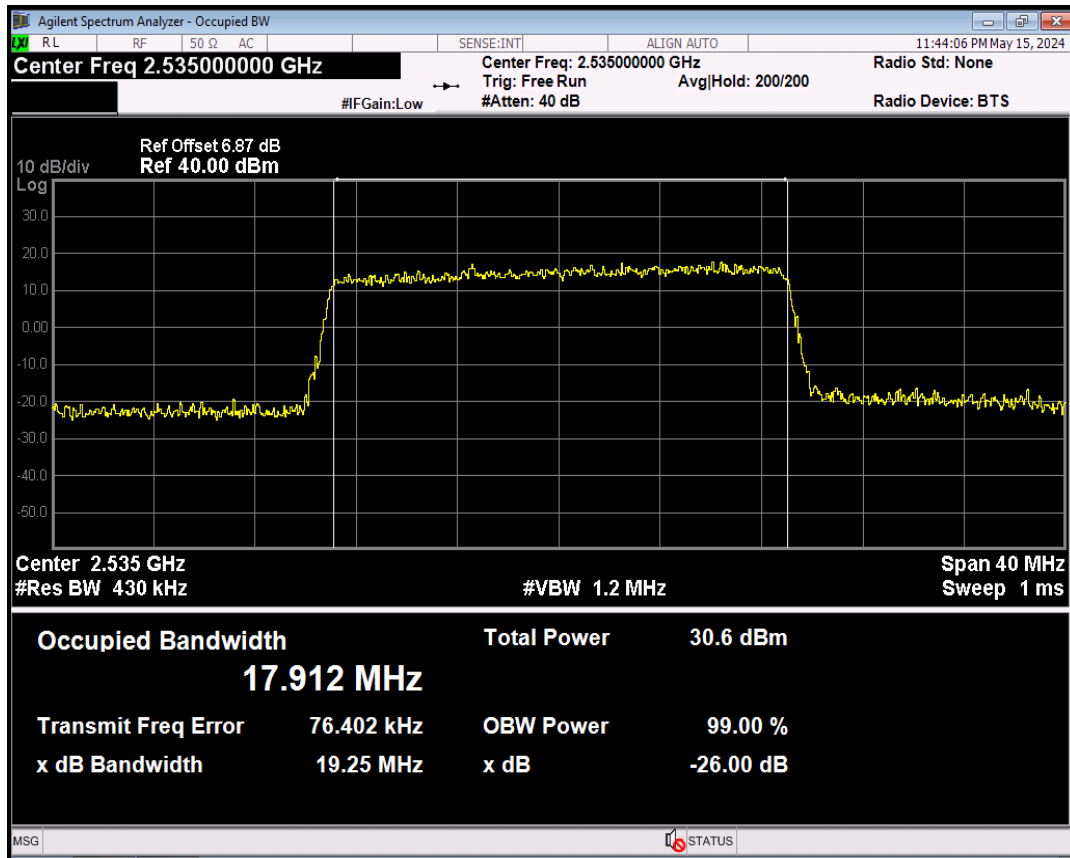


Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

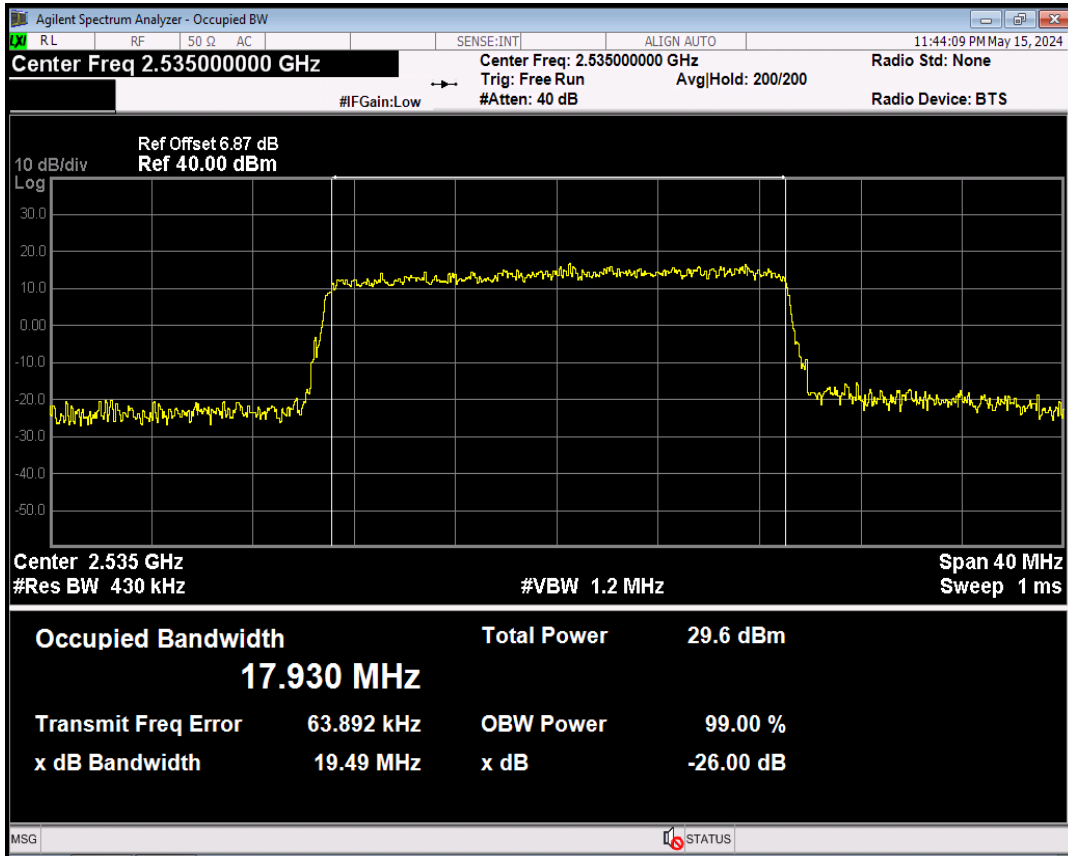




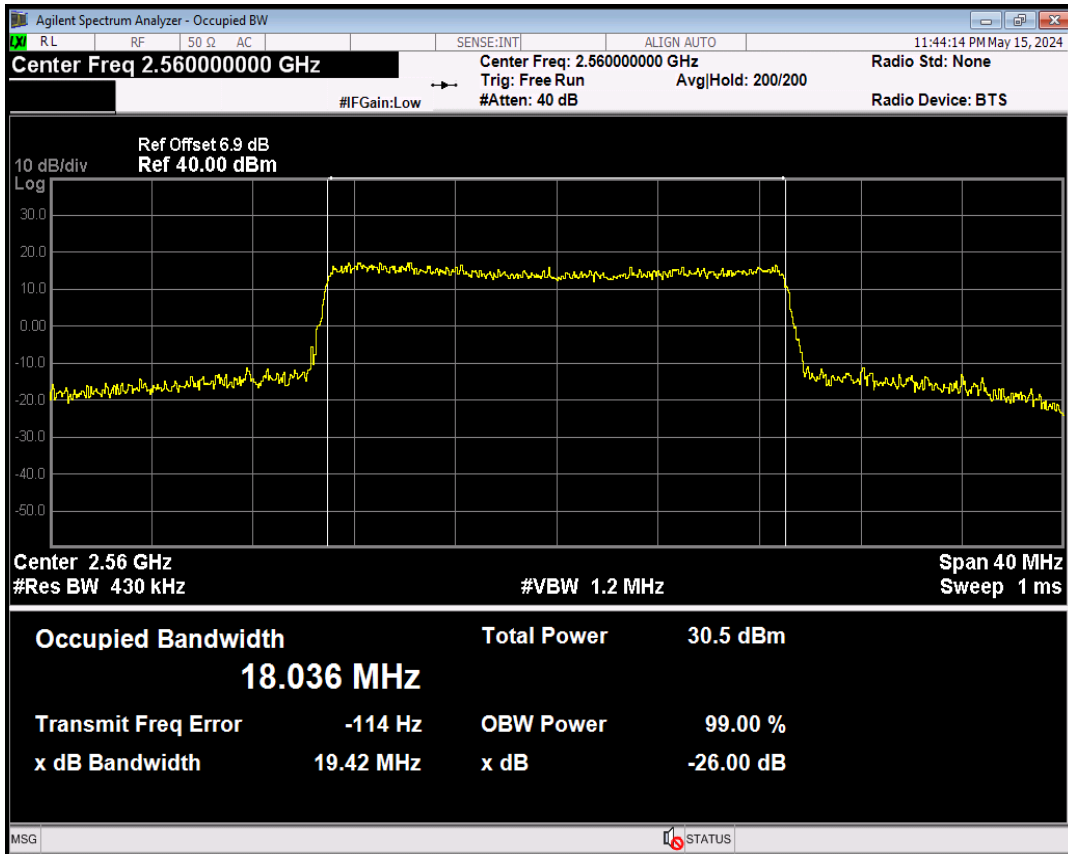
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



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

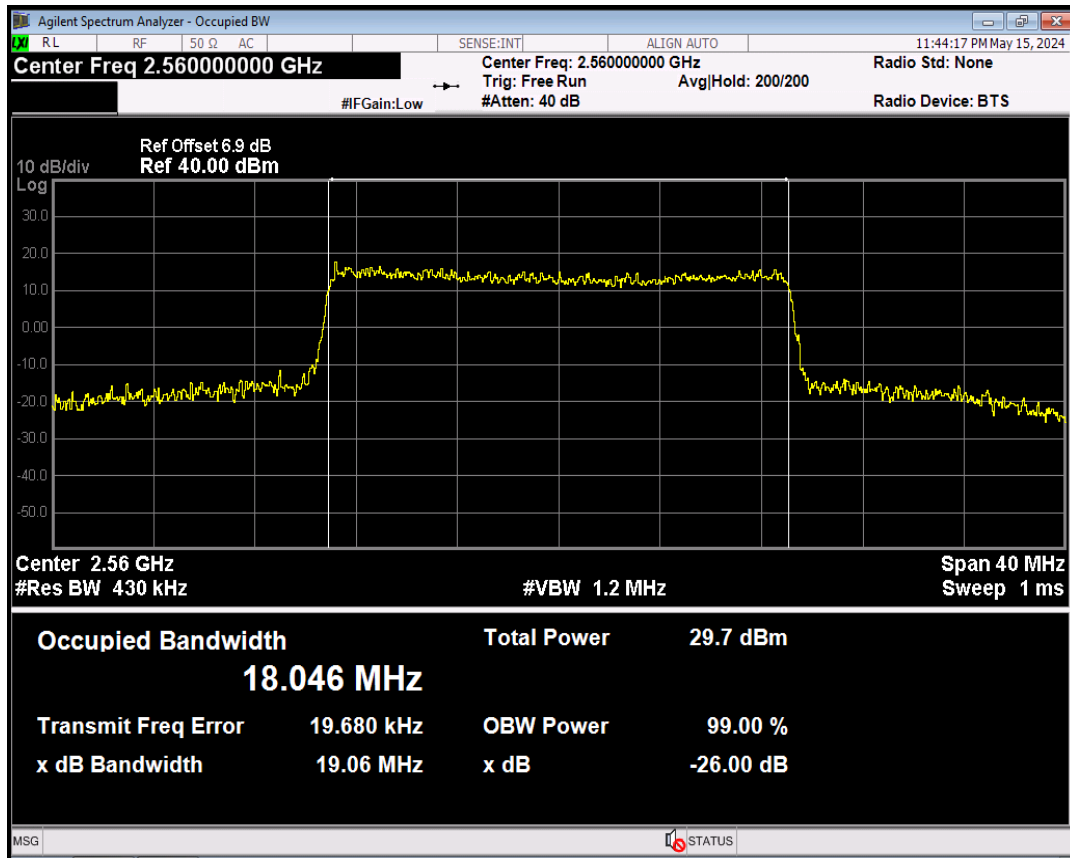


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0





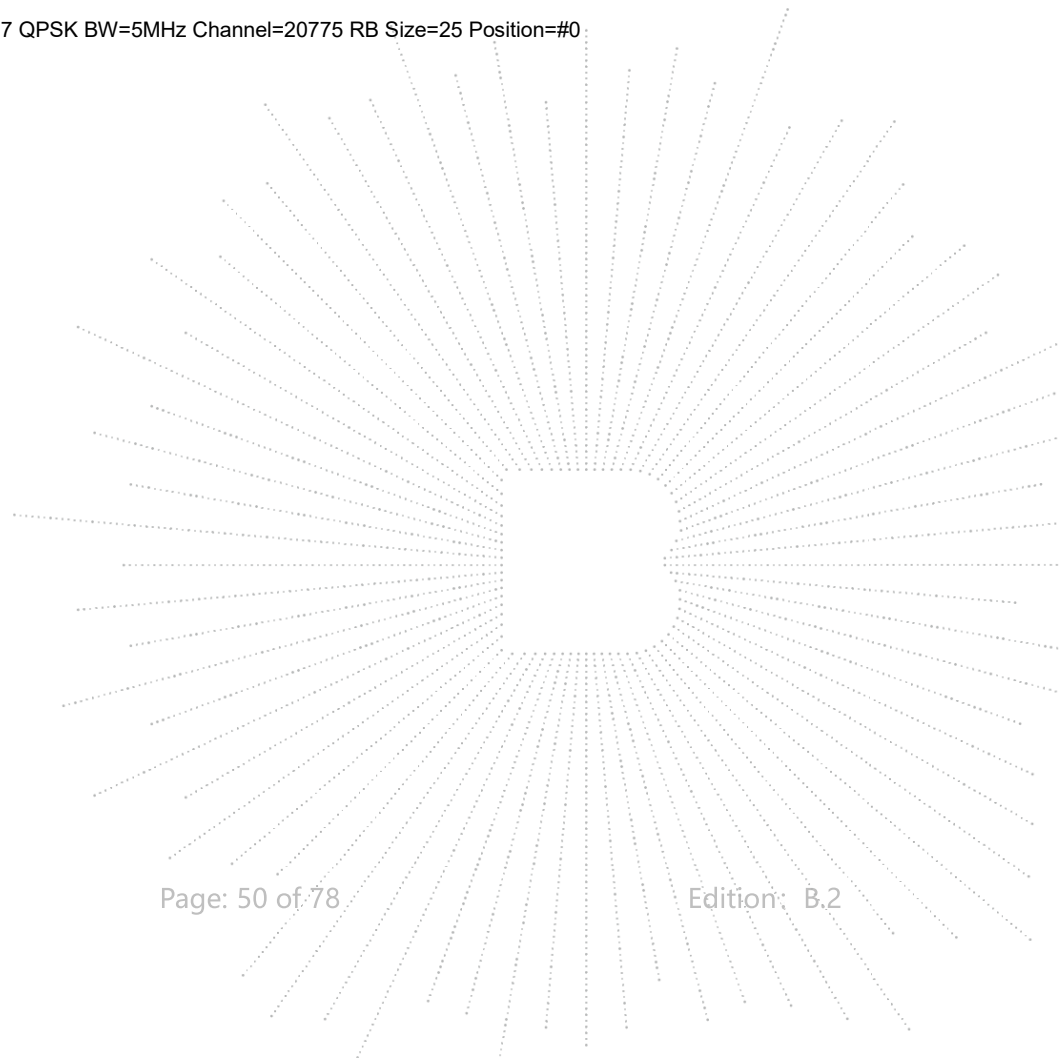
Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

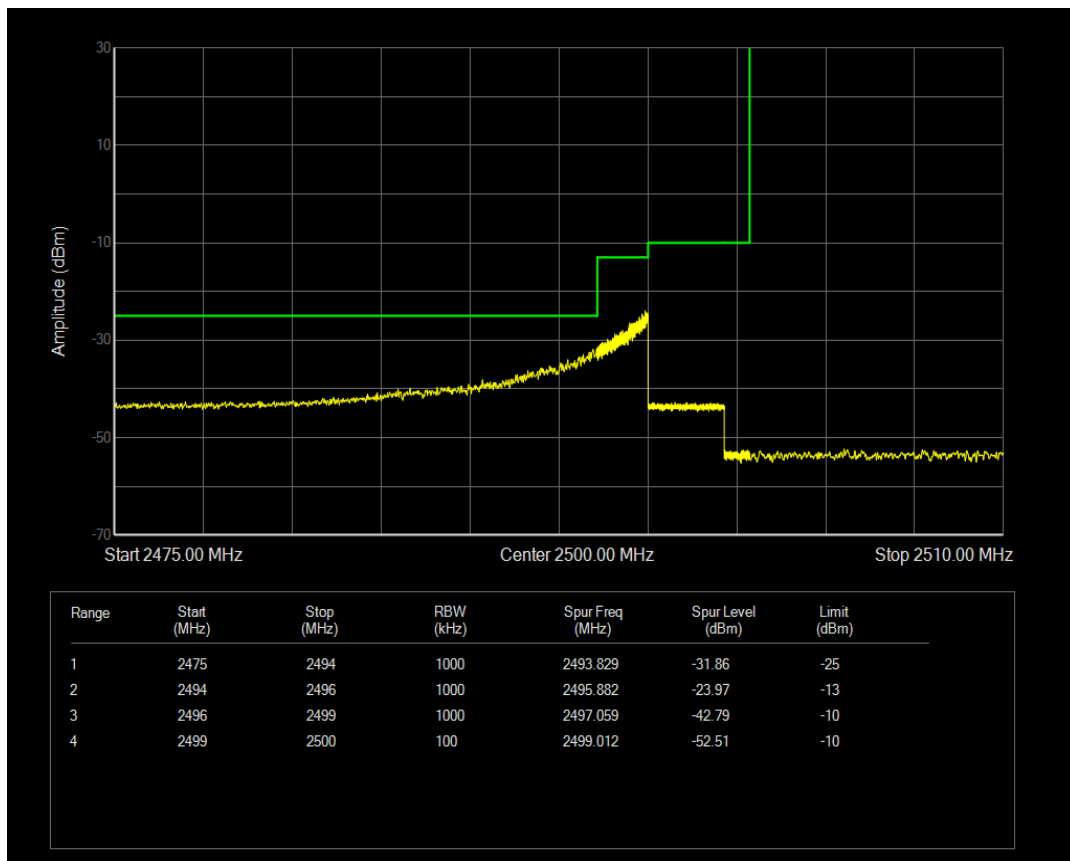


Appendix 5. Band edge

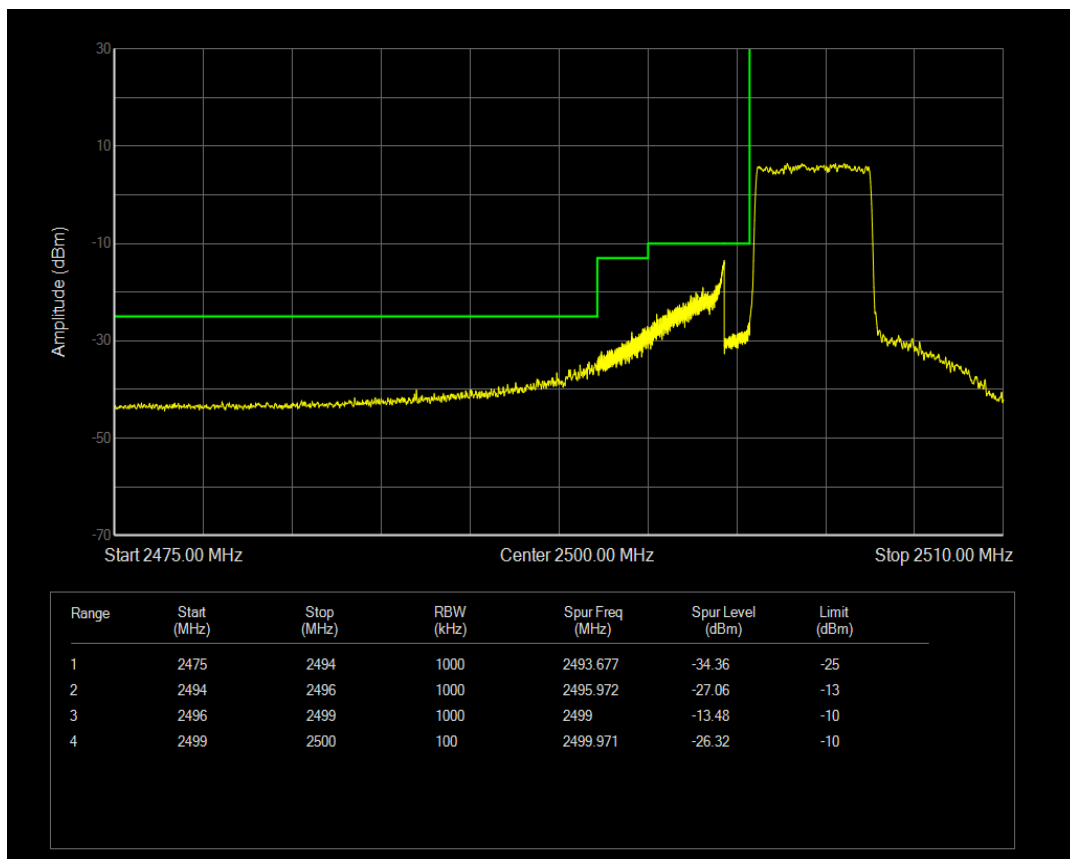
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2493.83	-31.86	-25	PASS
Band7	5	20775	25	#0	16QAM	2499.00	-13.48	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.00	-12.06	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.01	-13.09	-10	PASS
Band7	10	20800	50	#0	QPSK	2498.91	-16.95	-10	PASS
Band7	10	20800	50	#0	16QAM	2498.98	-18.53	-10	PASS
Band7	10	21400	50	#0	QPSK	2571.04	-17.45	-10	PASS
Band7	10	21400	50	#0	16QAM	2571.02	-18.66	-10	PASS
Band7	15	20825	75	#0	QPSK	2495.76	-18.56	-13	PASS
Band7	15	20825	75	#0	16QAM	2484.65	-32.63	-25	PASS
Band7	15	21375	75	#0	QPSK	2575.56	-18.19	-13	PASS
Band7	15	21375	75	#0	16QAM	2575.02	-21.79	-13	PASS
Band7	20	20850	100	#0	QPSK	2496.00	-19.95	-13	PASS
Band7	20	20850	100	#0	16QAM	2495.95	-22.38	-13	PASS
Band7	20	21350	100	#0	QPSK	2575.17	-21.54	-13	PASS
Band7	20	21350	100	#0	16QAM	2575.35	-24.05	-13	PASS

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

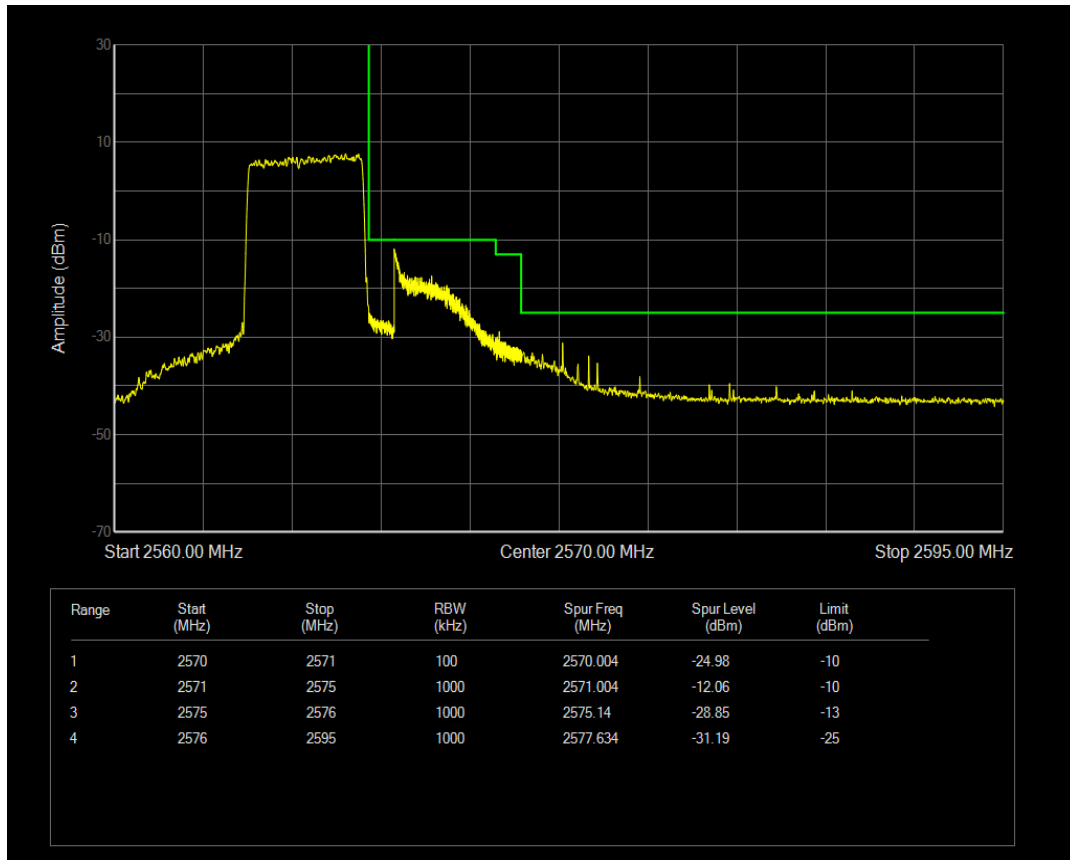




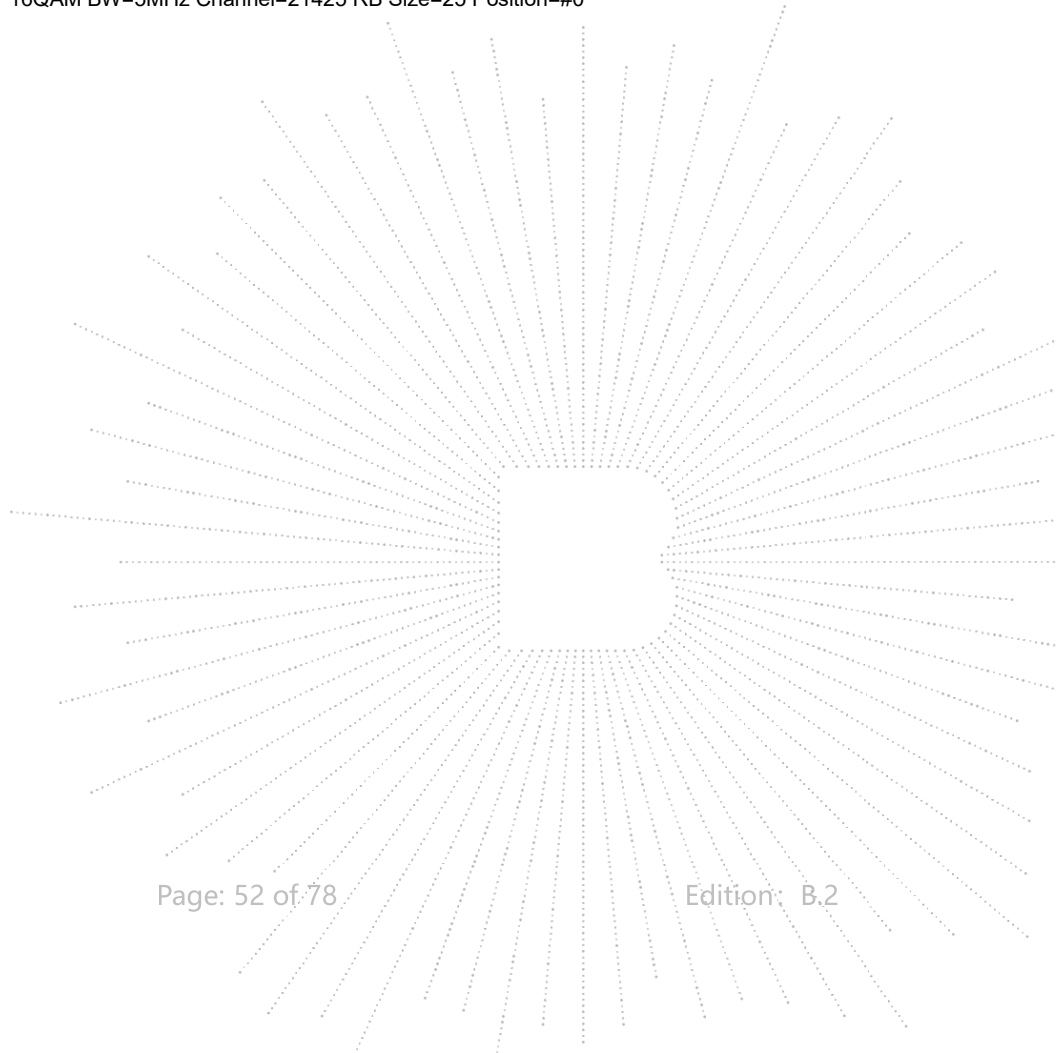
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

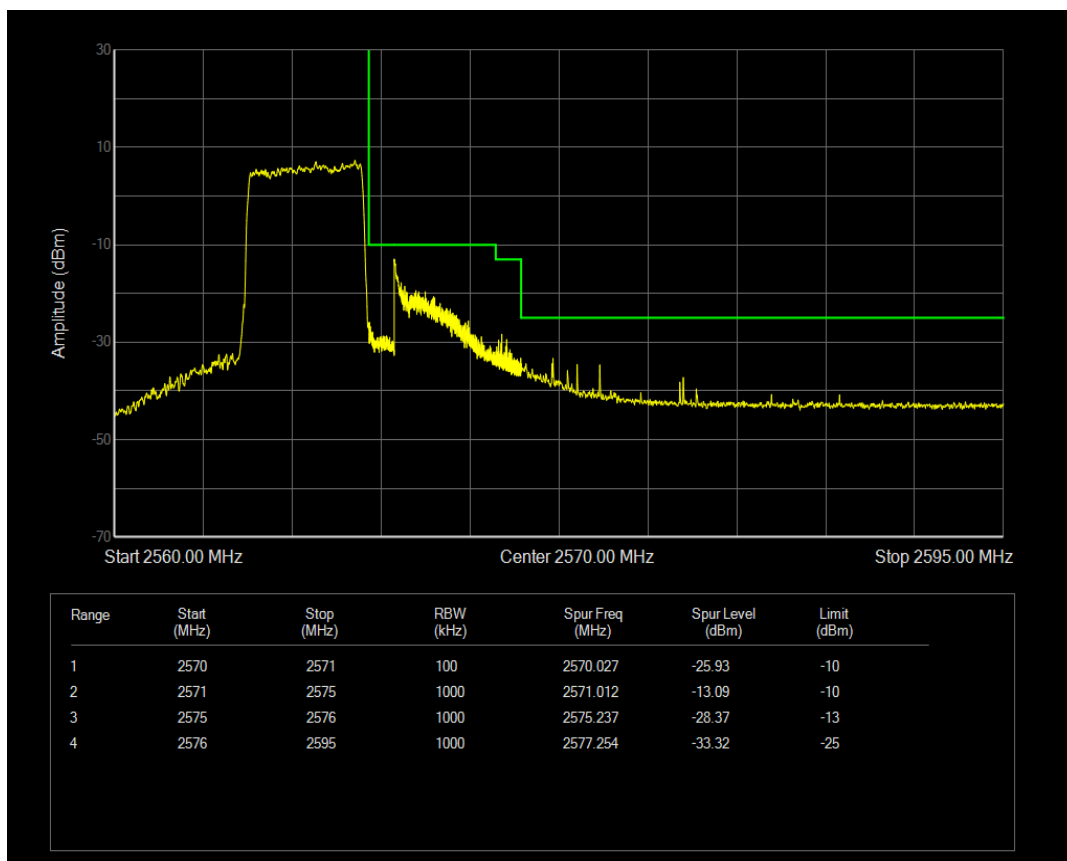


Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

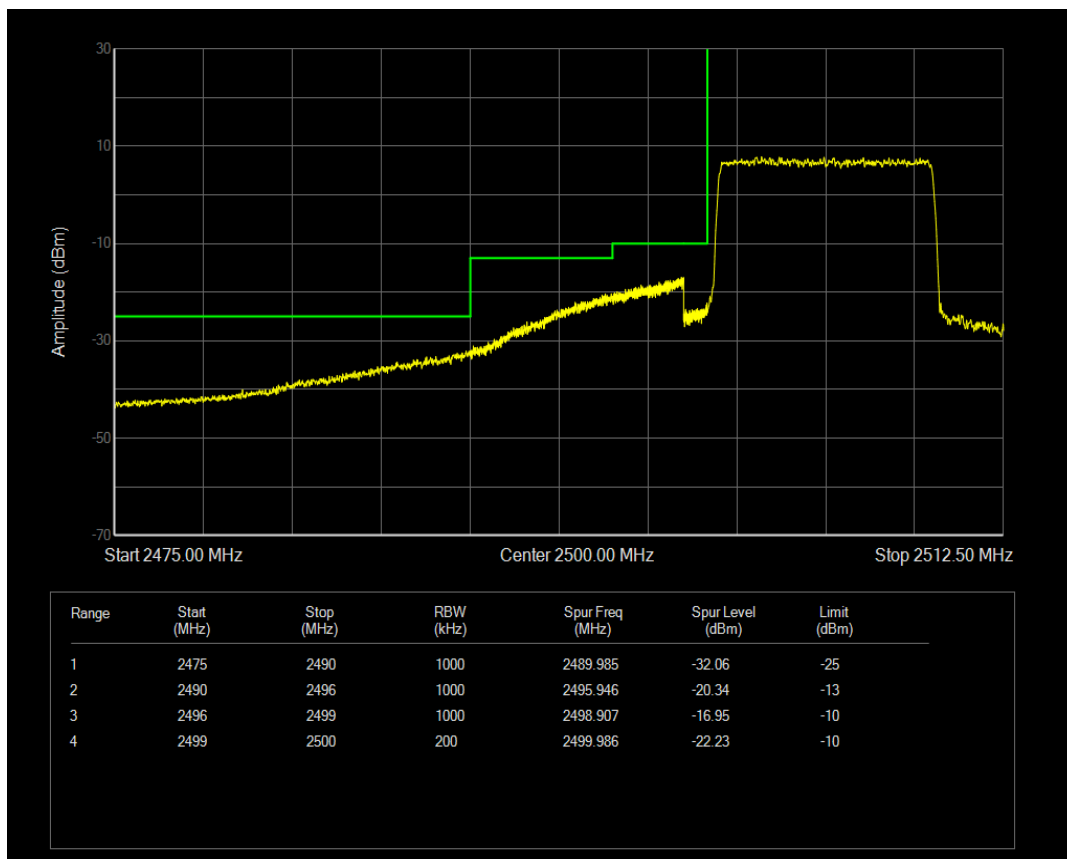


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

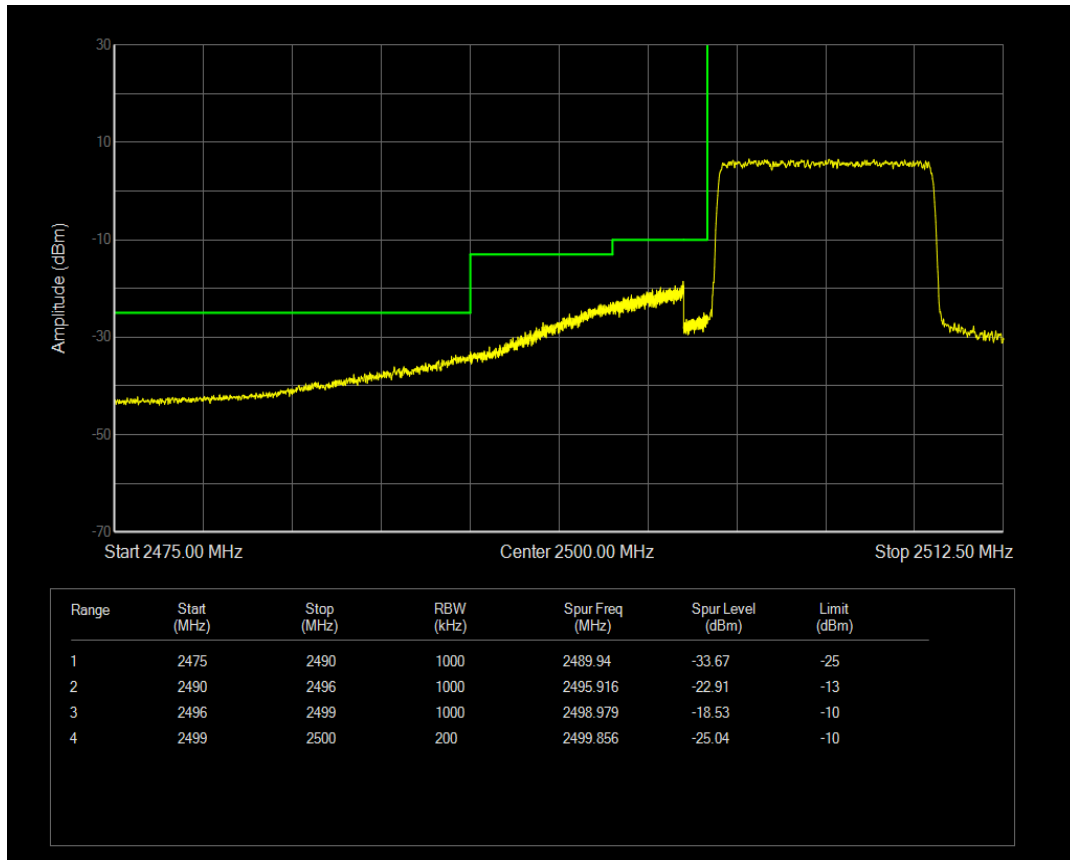




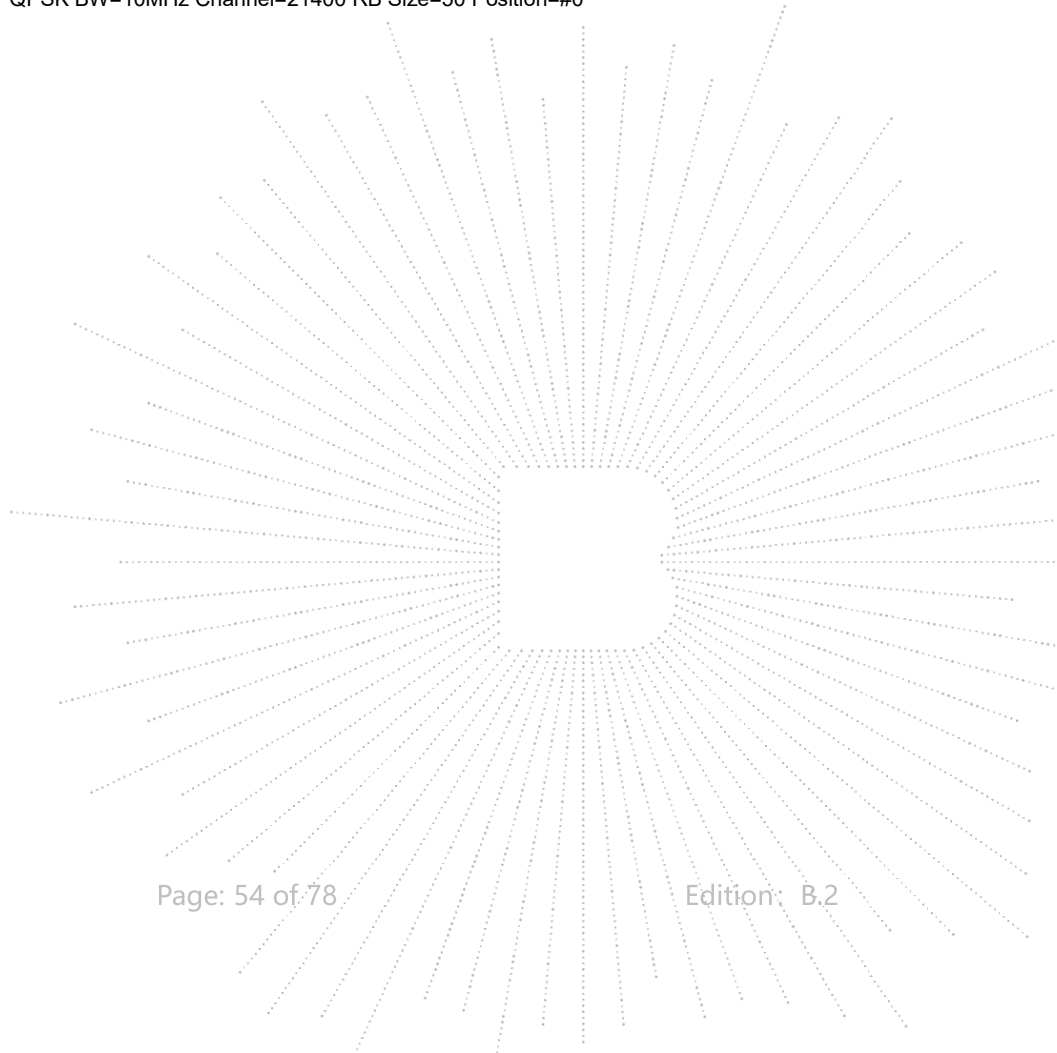
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

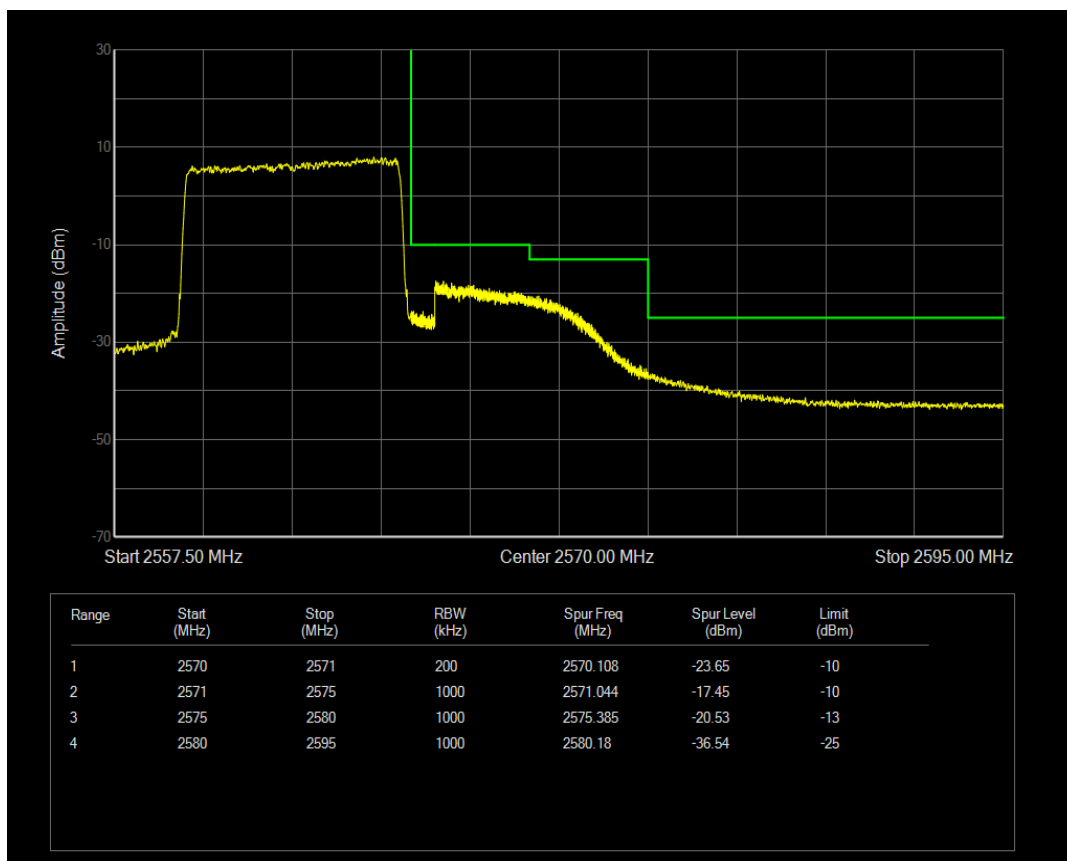


Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

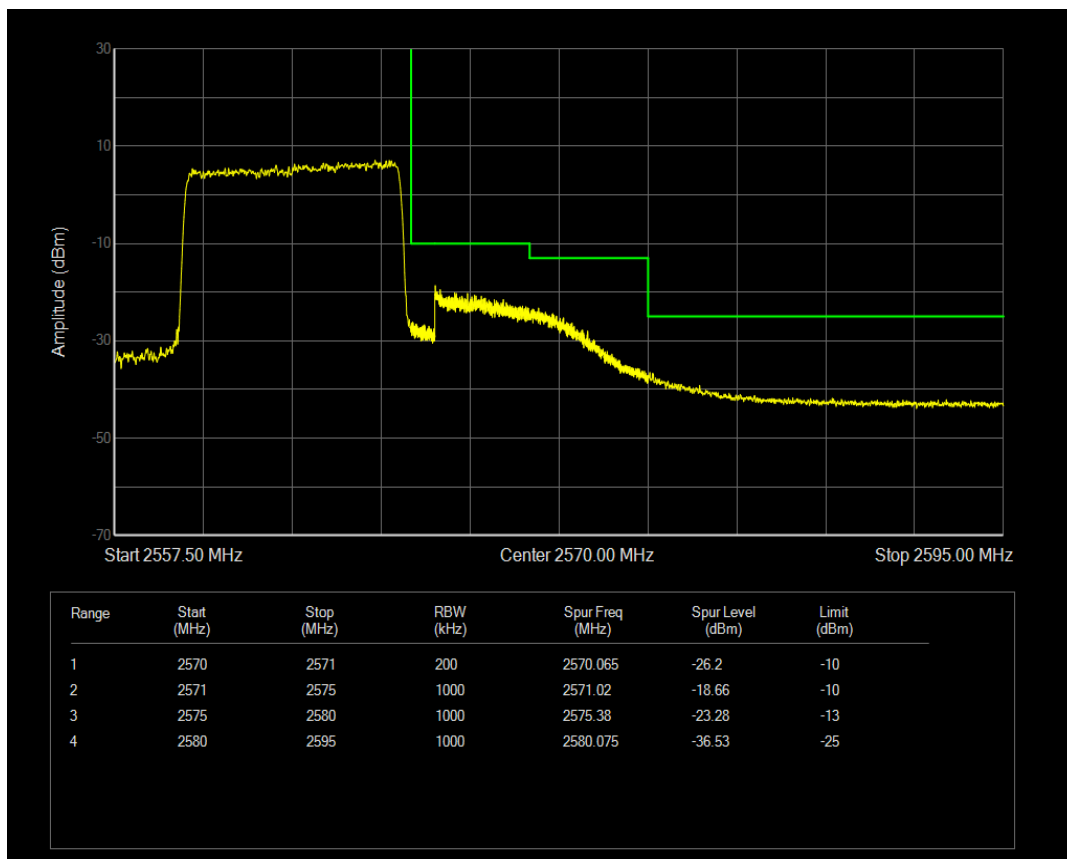


Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

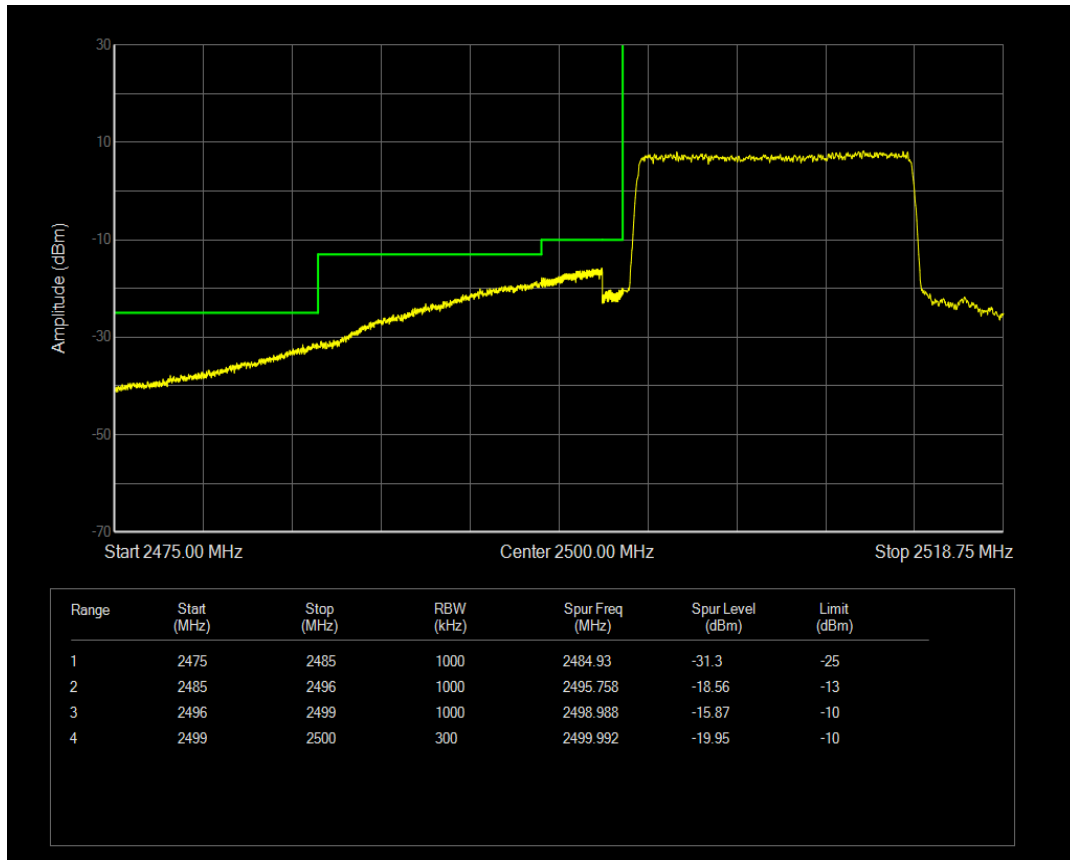




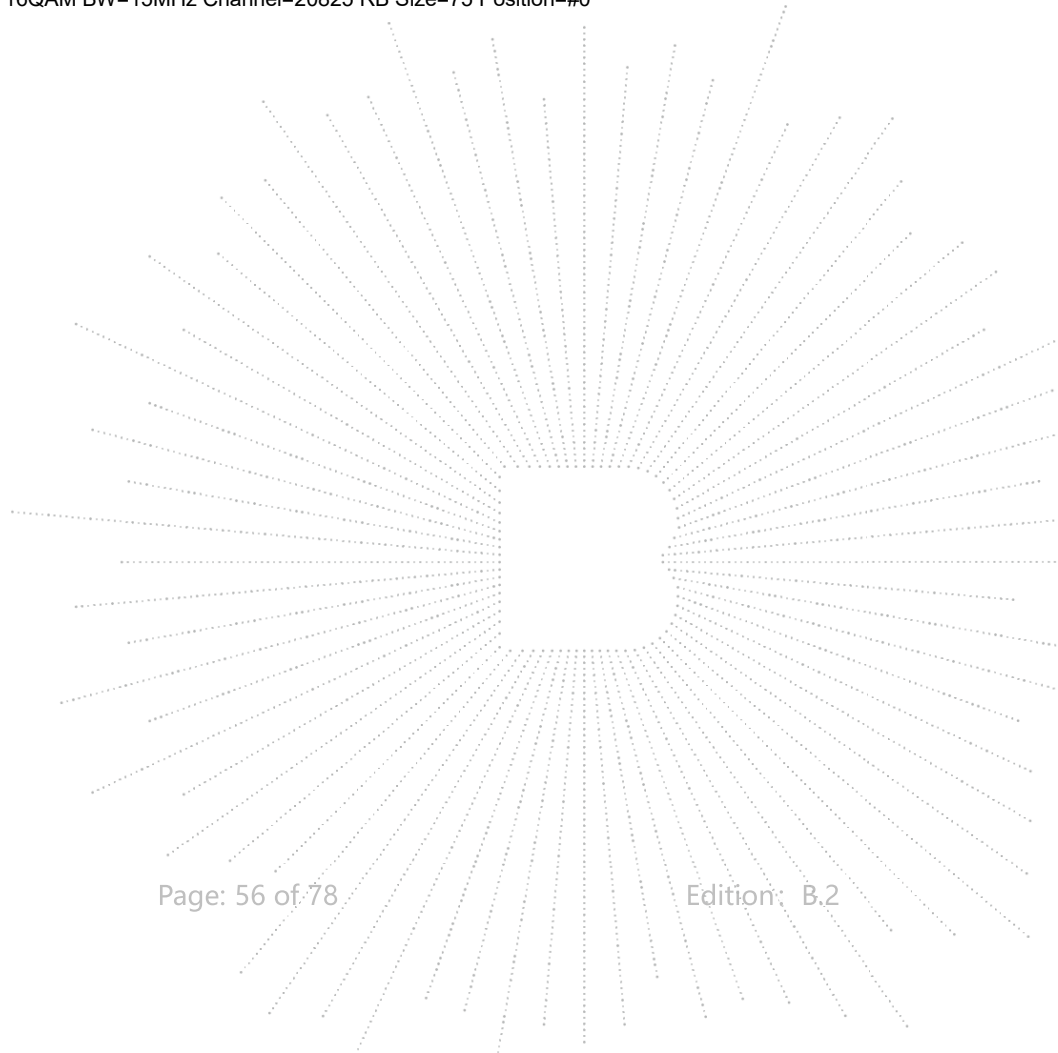
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

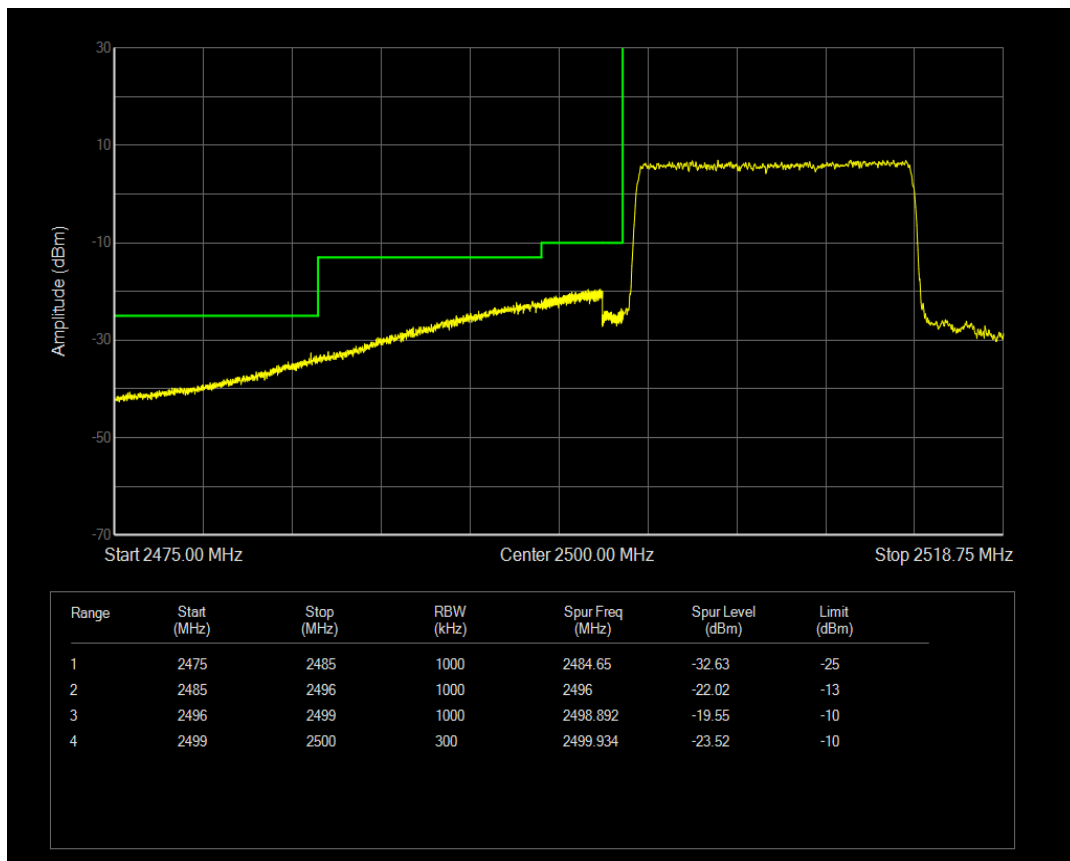


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

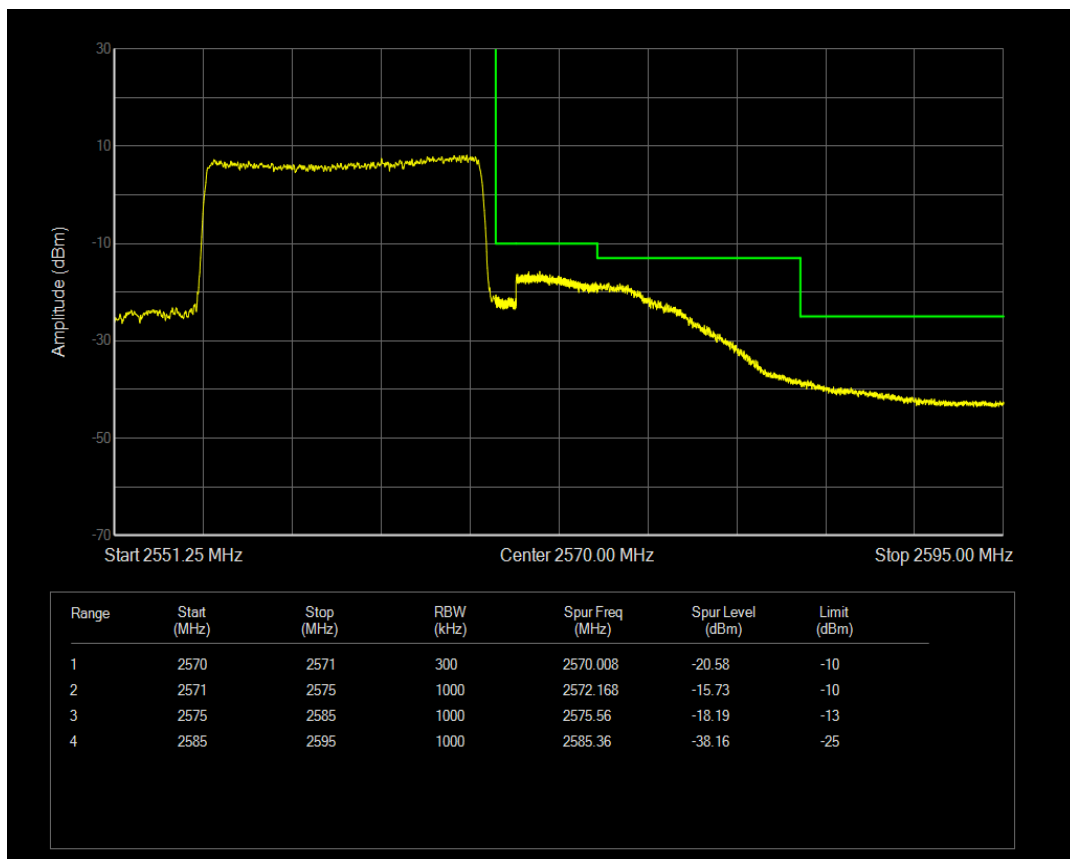


Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

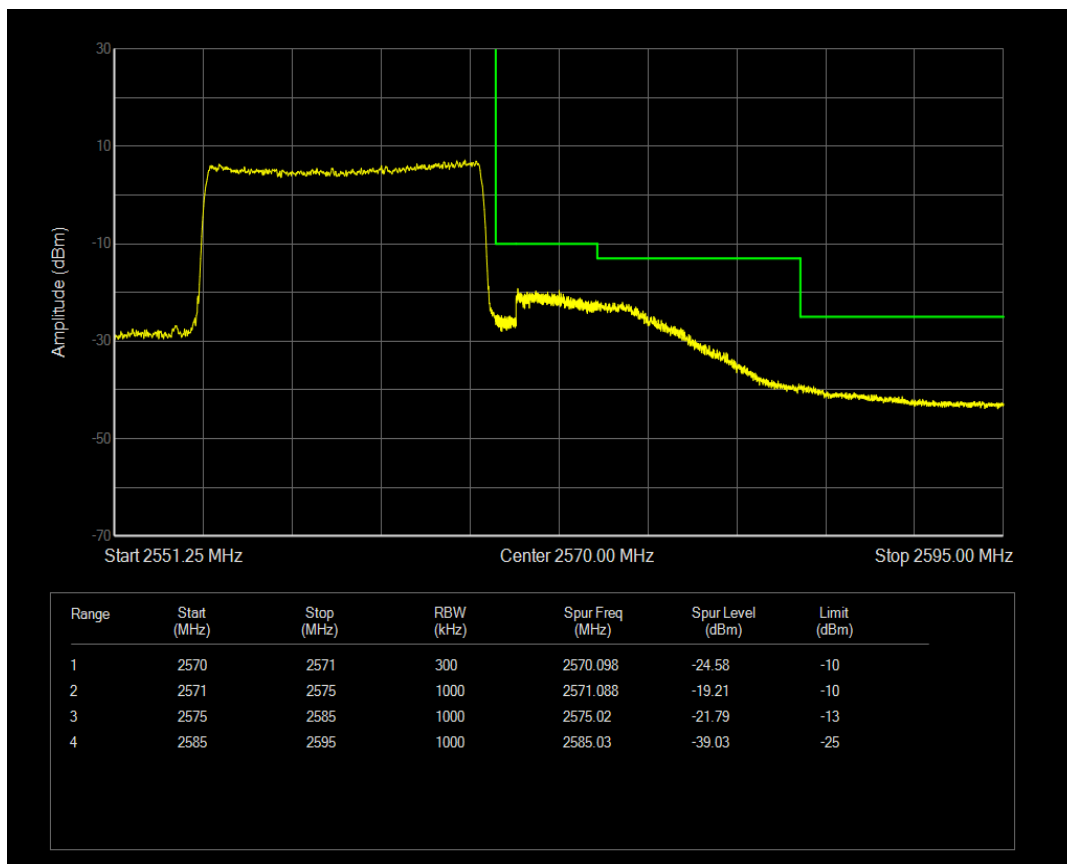




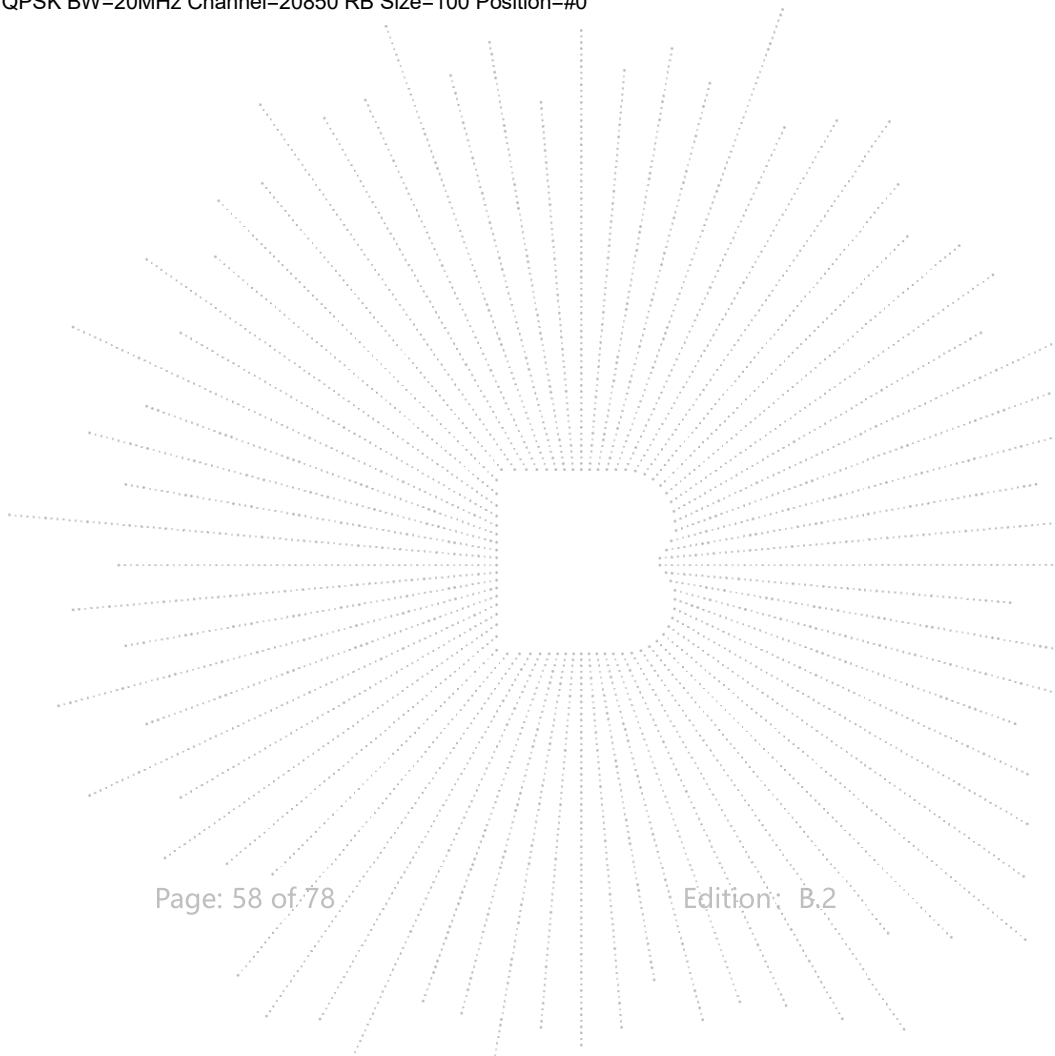
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

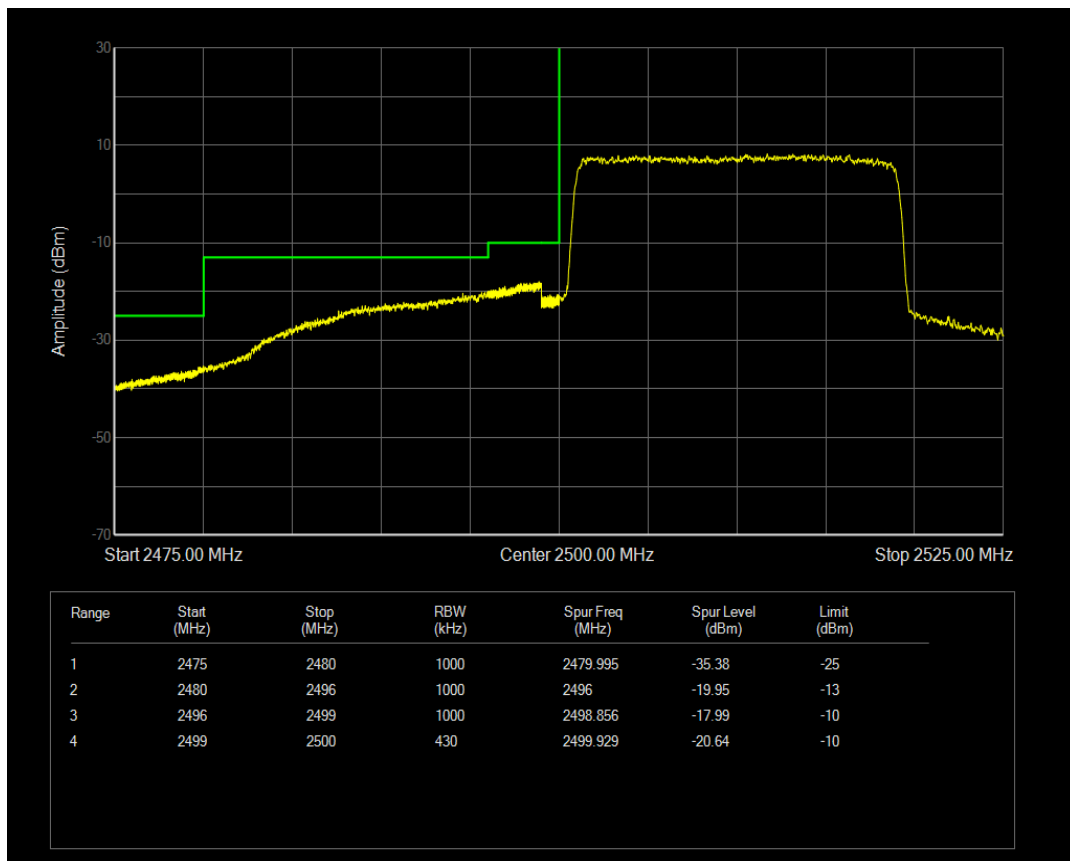


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

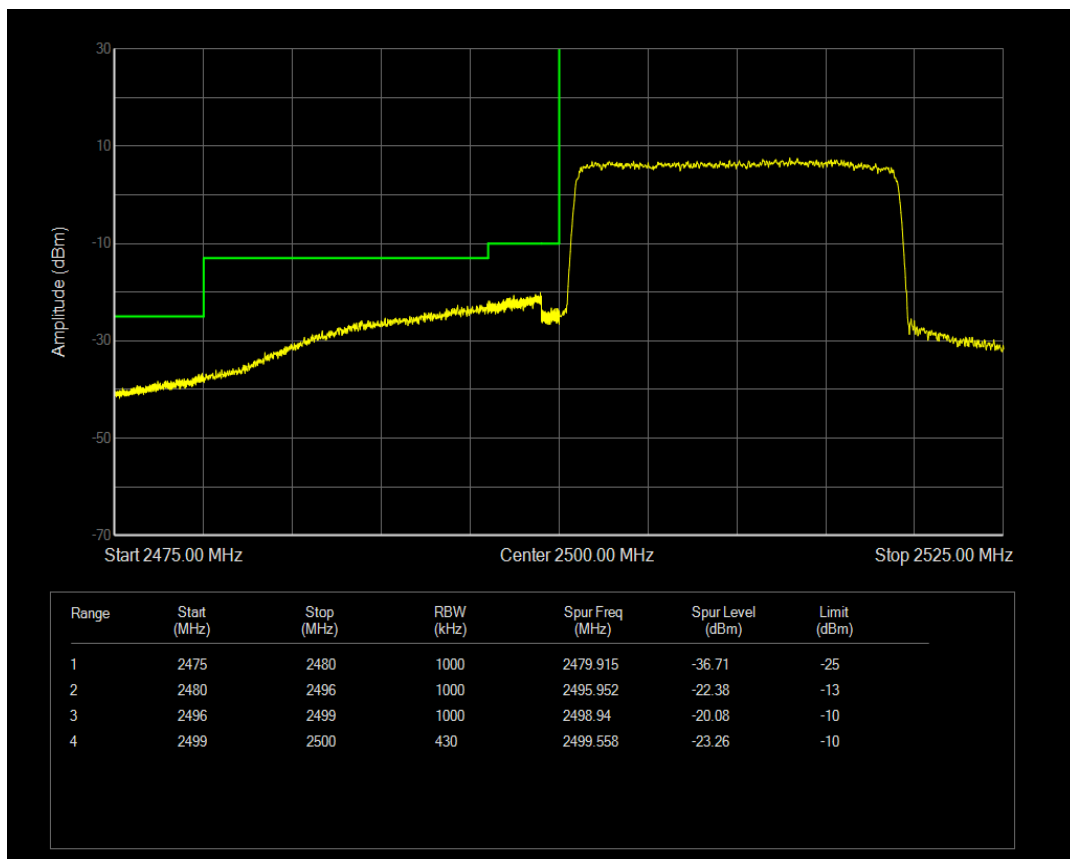


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

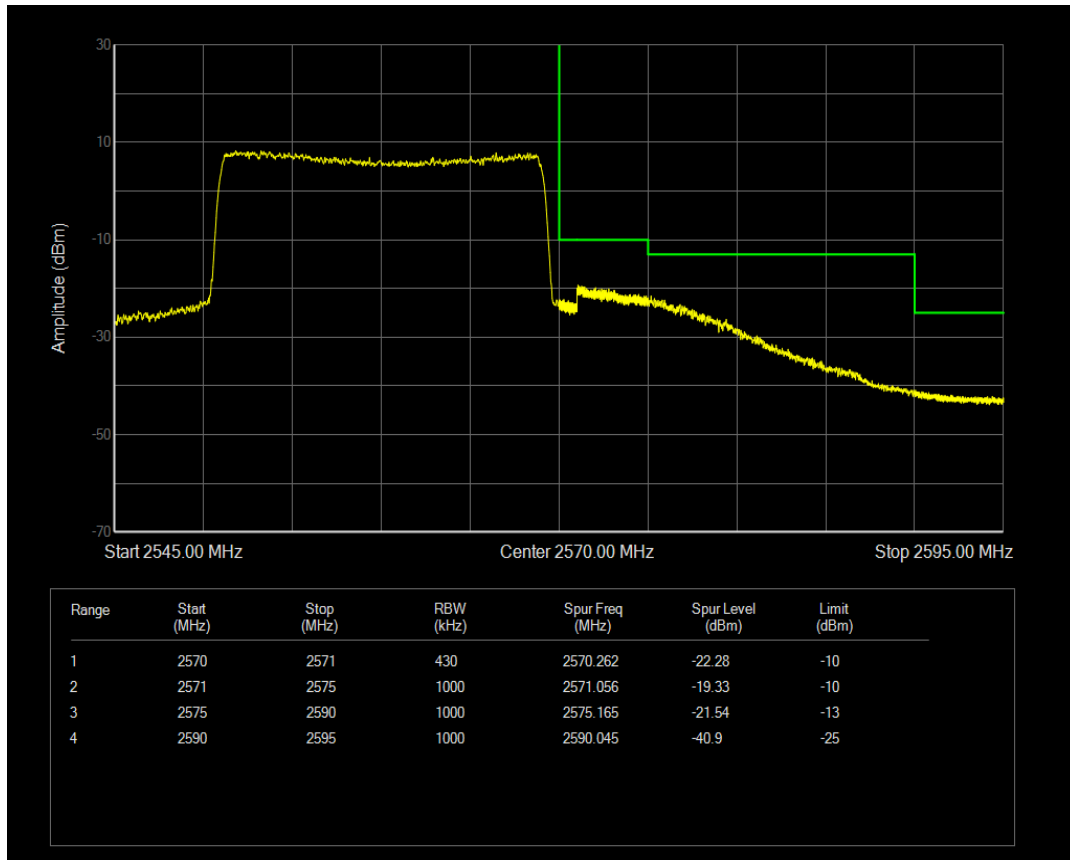




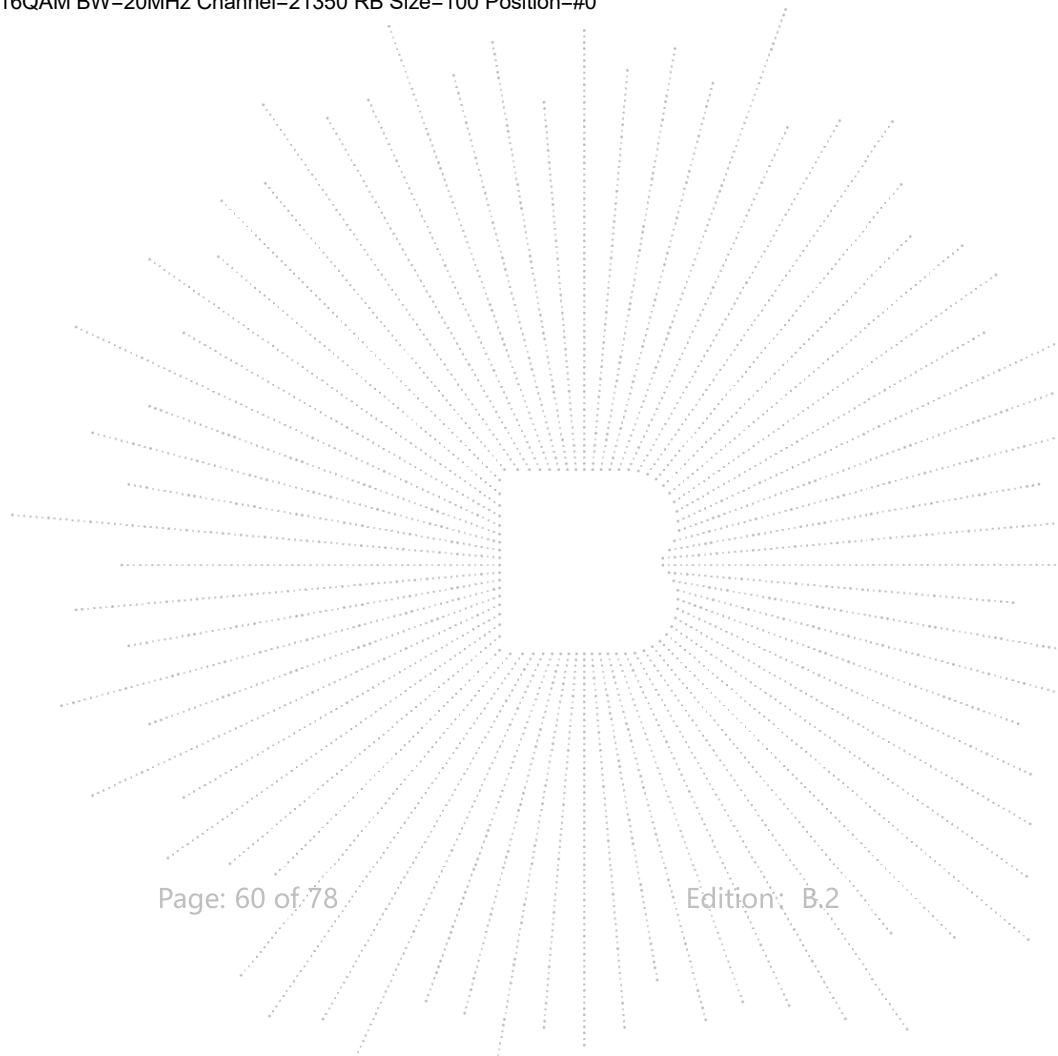
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0

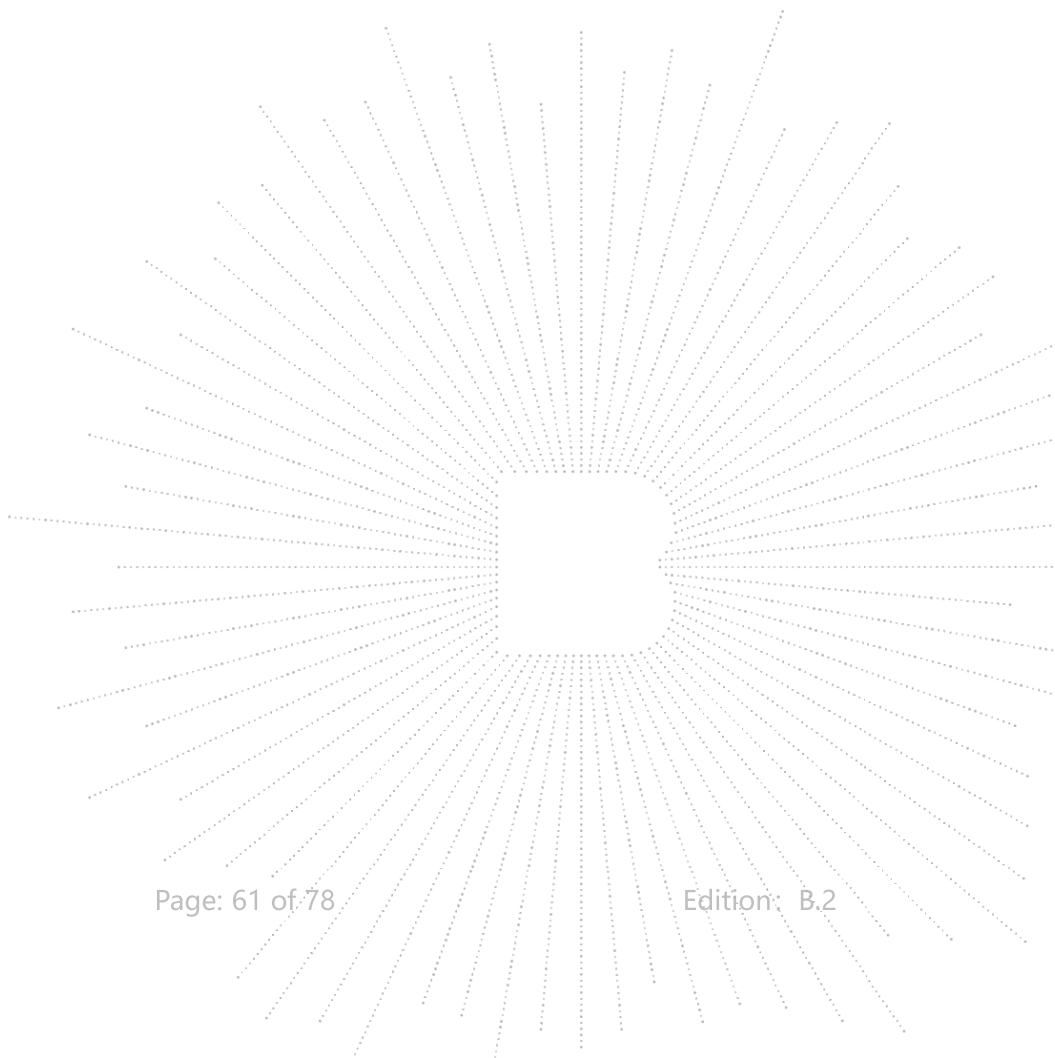
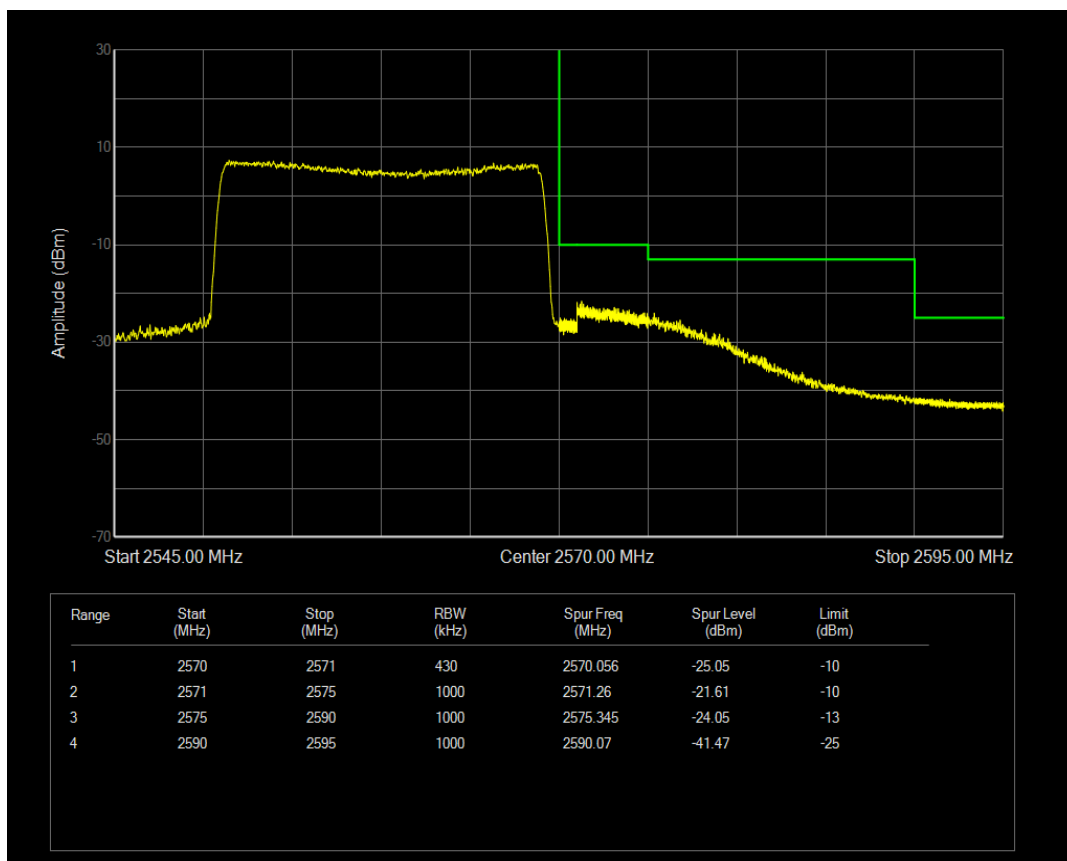


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



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

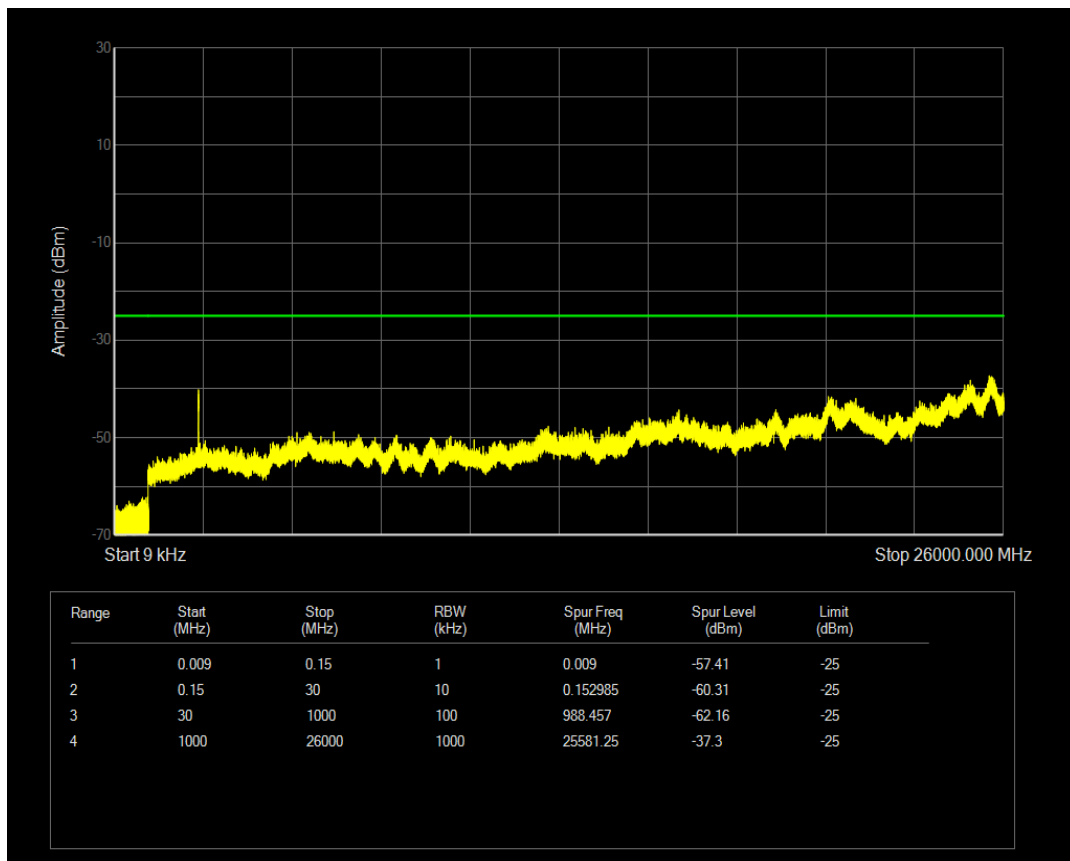




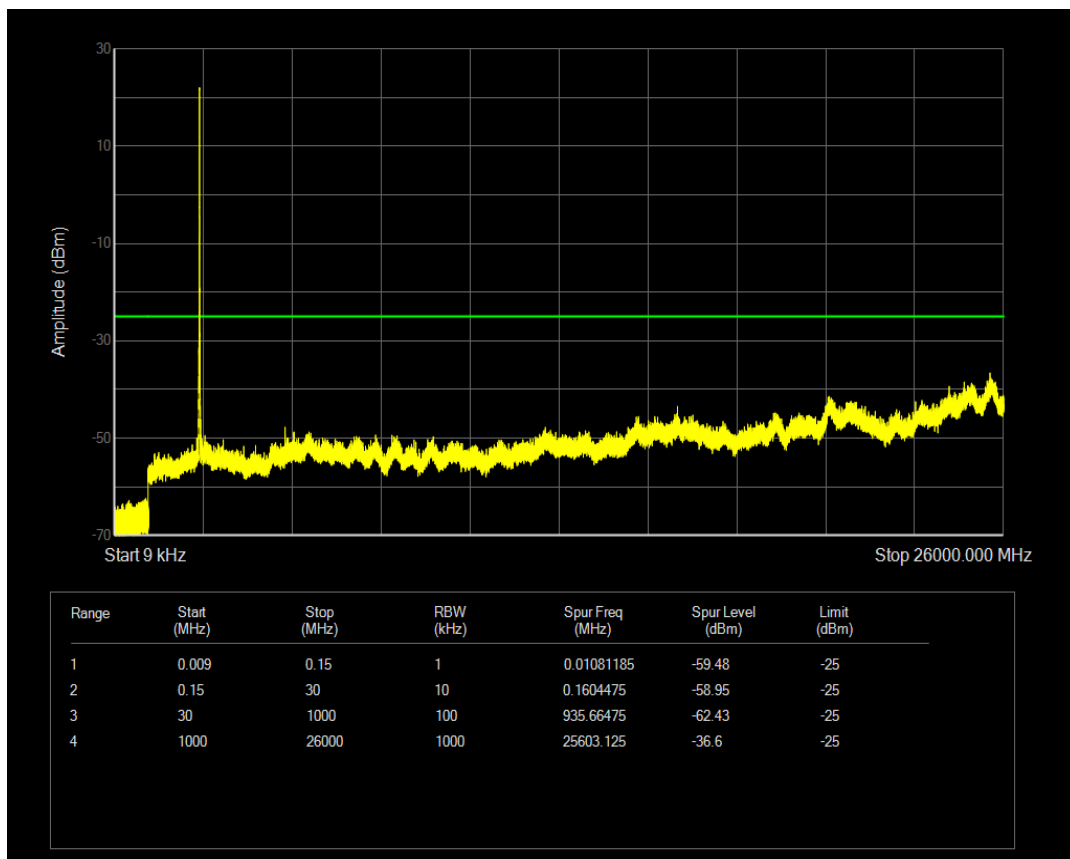
Appendix 6. Out-of-band emissions

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	25581.25	-37.30	-25	PASS
Band7	5	20775	25	#0	16QAM	25603.13	-36.60	-25	PASS
Band7	5	21100	25	#0	QPSK	25585.00	-36.73	-25	PASS
Band7	5	21100	25	#0	16QAM	25651.88	-35.95	-25	PASS
Band7	5	21425	25	#0	QPSK	25645.63	-35.97	-25	PASS
Band7	5	21425	25	#0	16QAM	25591.25	-36.97	-25	PASS
Band7	10	20800	50	#0	QPSK	25661.88	-36.49	-25	PASS
Band7	10	20800	50	#0	16QAM	25670.63	-36.94	-25	PASS
Band7	10	21100	50	#0	QPSK	25619.38	-37.45	-25	PASS
Band7	10	21100	50	#0	16QAM	25641.25	-36.55	-25	PASS
Band7	10	21400	50	#0	QPSK	25647.50	-36.47	-25	PASS
Band7	10	21400	50	#0	16QAM	25577.50	-37.52	-25	PASS
Band7	15	20825	75	#0	QPSK	25591.25	-36.88	-25	PASS
Band7	15	20825	75	#0	16QAM	25615.63	-37.23	-25	PASS
Band7	15	21100	75	#0	QPSK	25641.88	-36.58	-25	PASS
Band7	15	21100	75	#0	16QAM	25616.88	-37.42	-25	PASS
Band7	15	21375	75	#0	QPSK	25633.13	-36.87	-25	PASS
Band7	15	21375	75	#0	16QAM	25676.88	-36.44	-25	PASS
Band7	20	20850	100	#0	QPSK	25631.25	-36.27	-25	PASS
Band7	20	20850	100	#0	16QAM	25620.00	-36.16	-25	PASS
Band7	20	21100	100	#0	QPSK	25657.50	-36.97	-25	PASS
Band7	20	21100	100	#0	16QAM	25723.13	-37.34	-25	PASS
Band7	20	21350	100	#0	QPSK	25658.13	-37.35	-25	PASS
Band7	20	21350	100	#0	16QAM	25619.38	-37.02	-25	PASS

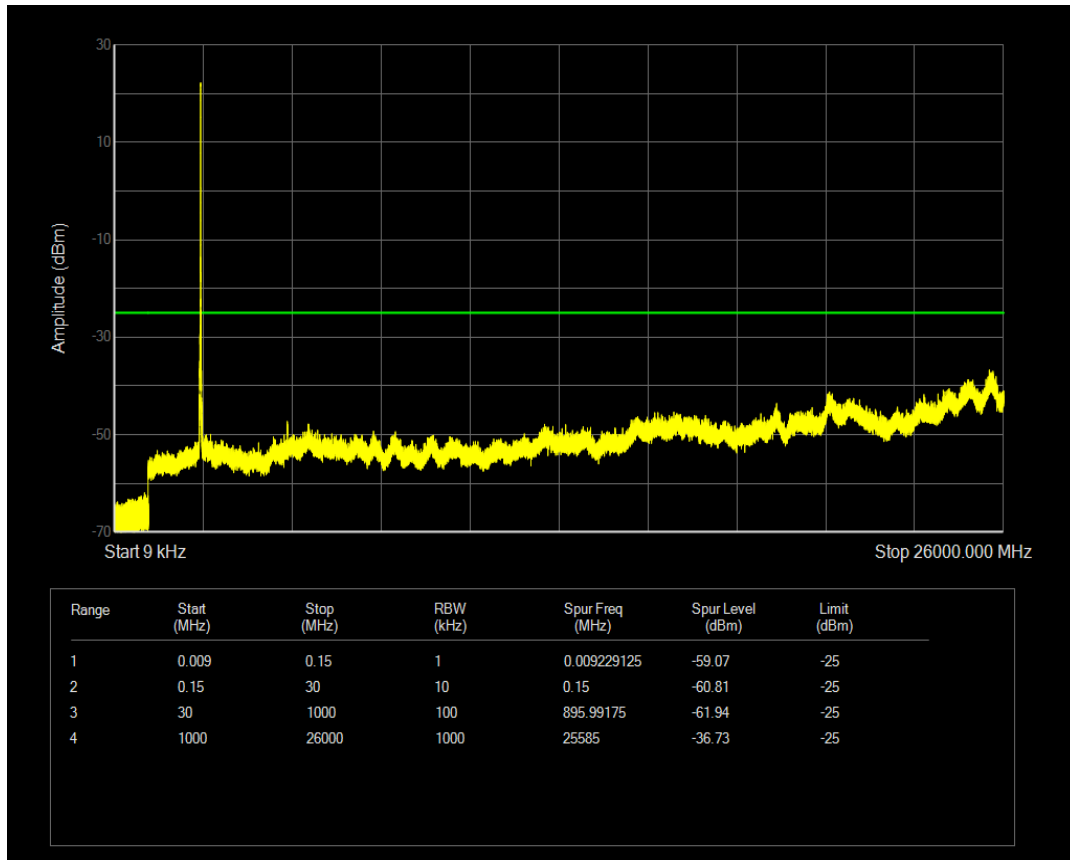
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



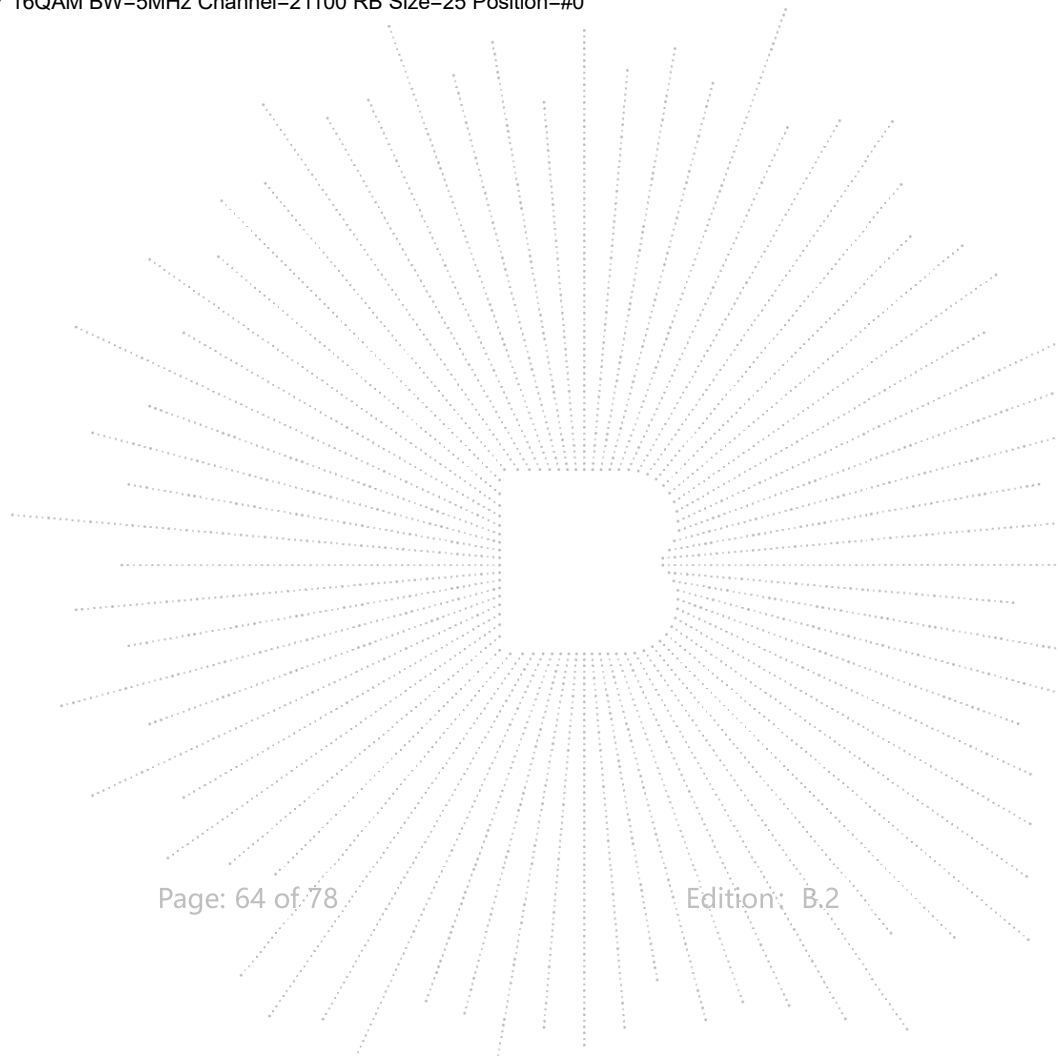
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0

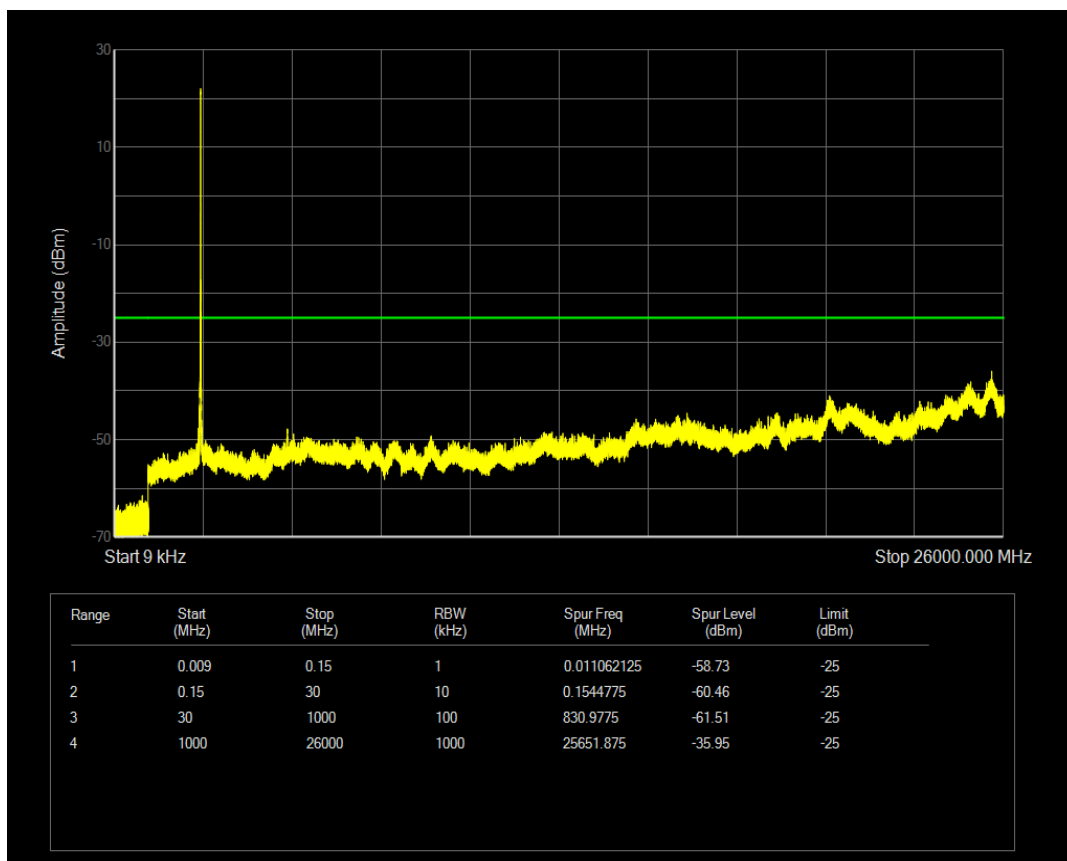


Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0

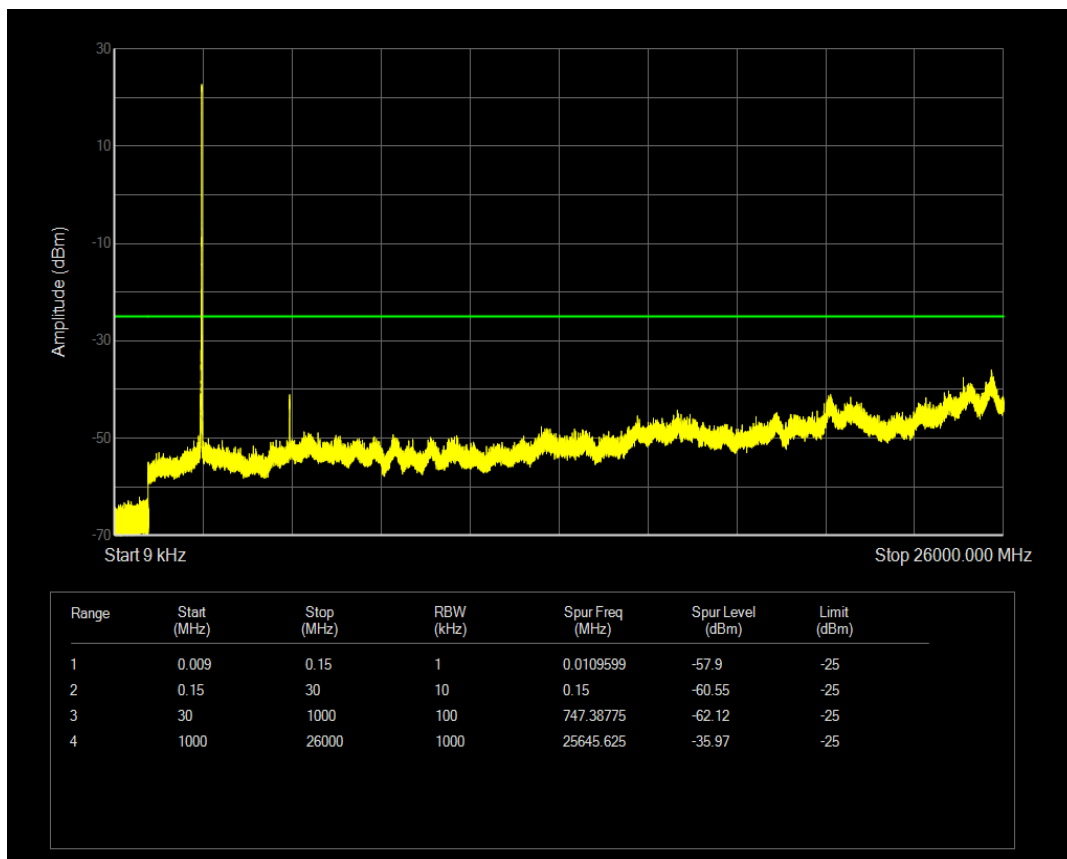


Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0

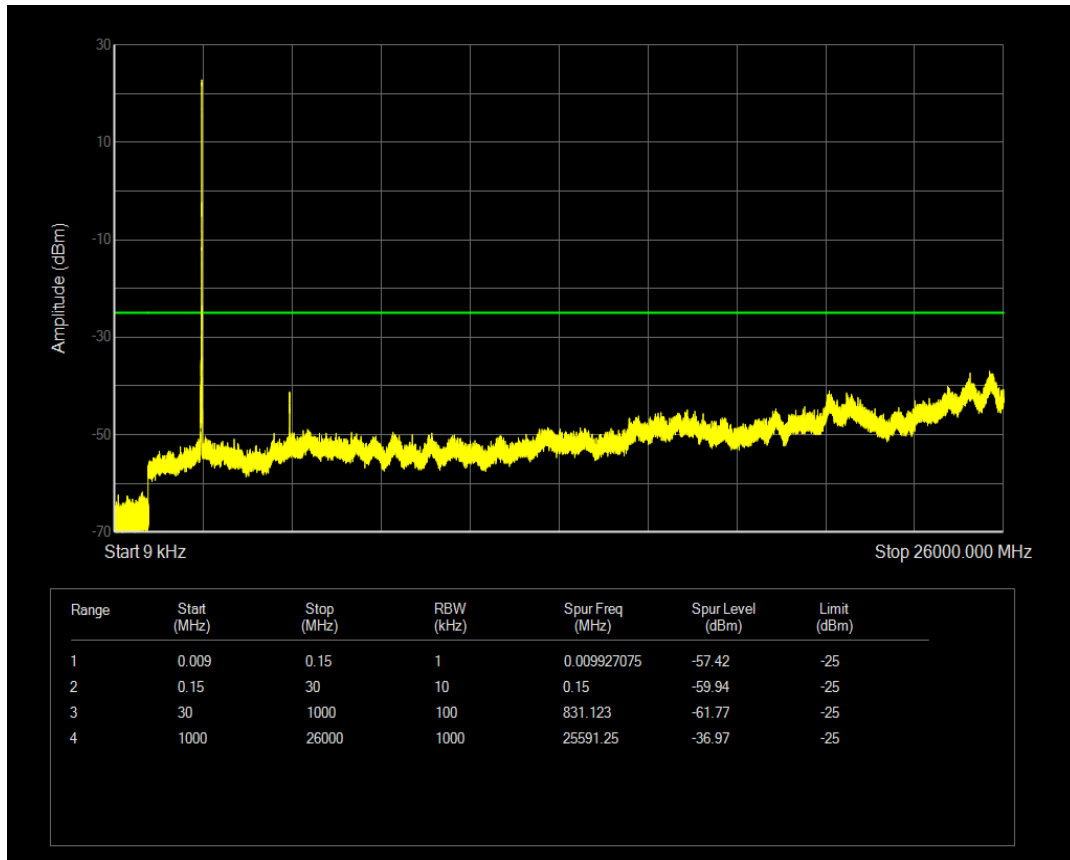




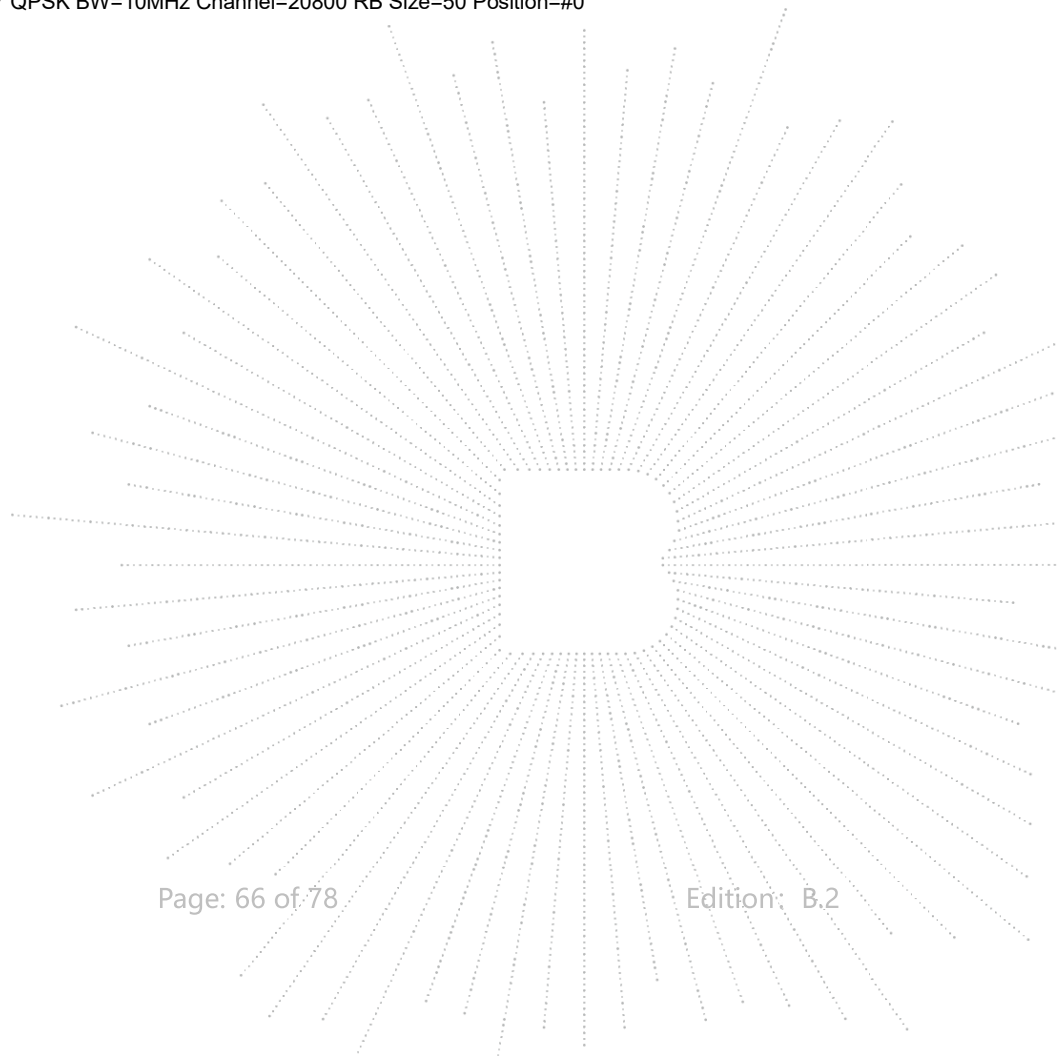
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0

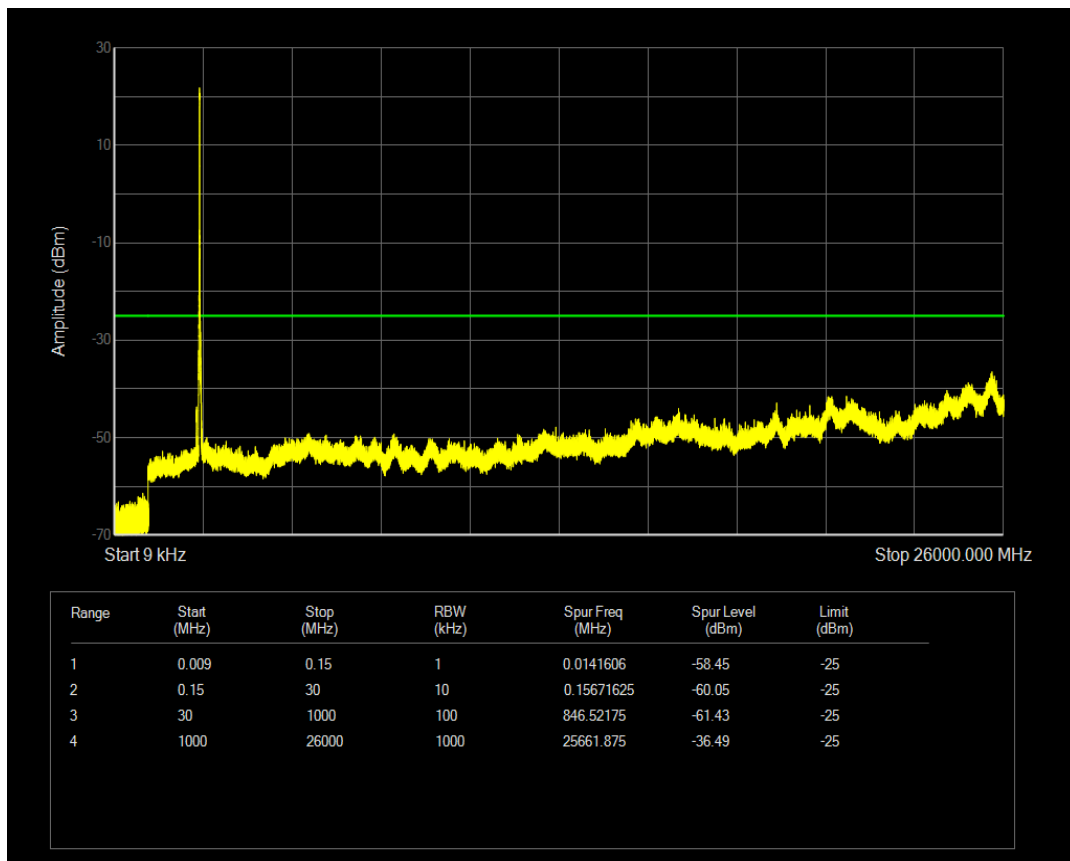


Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0

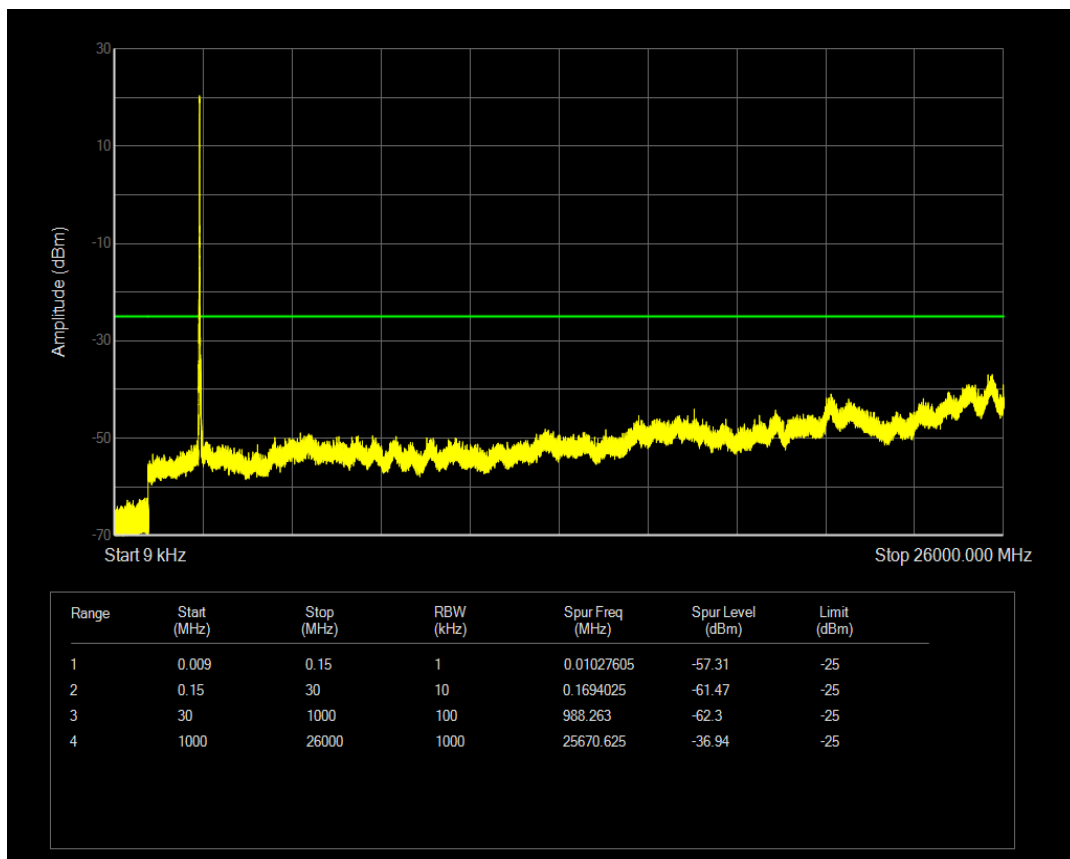


Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

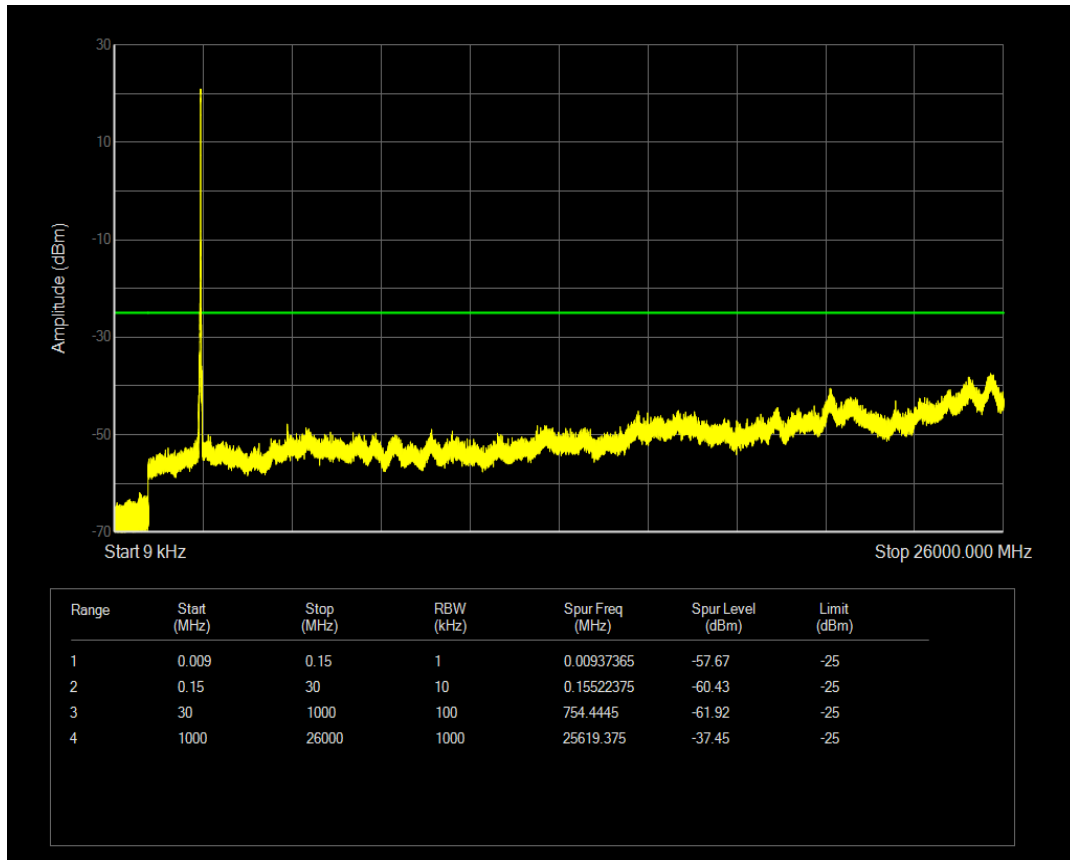




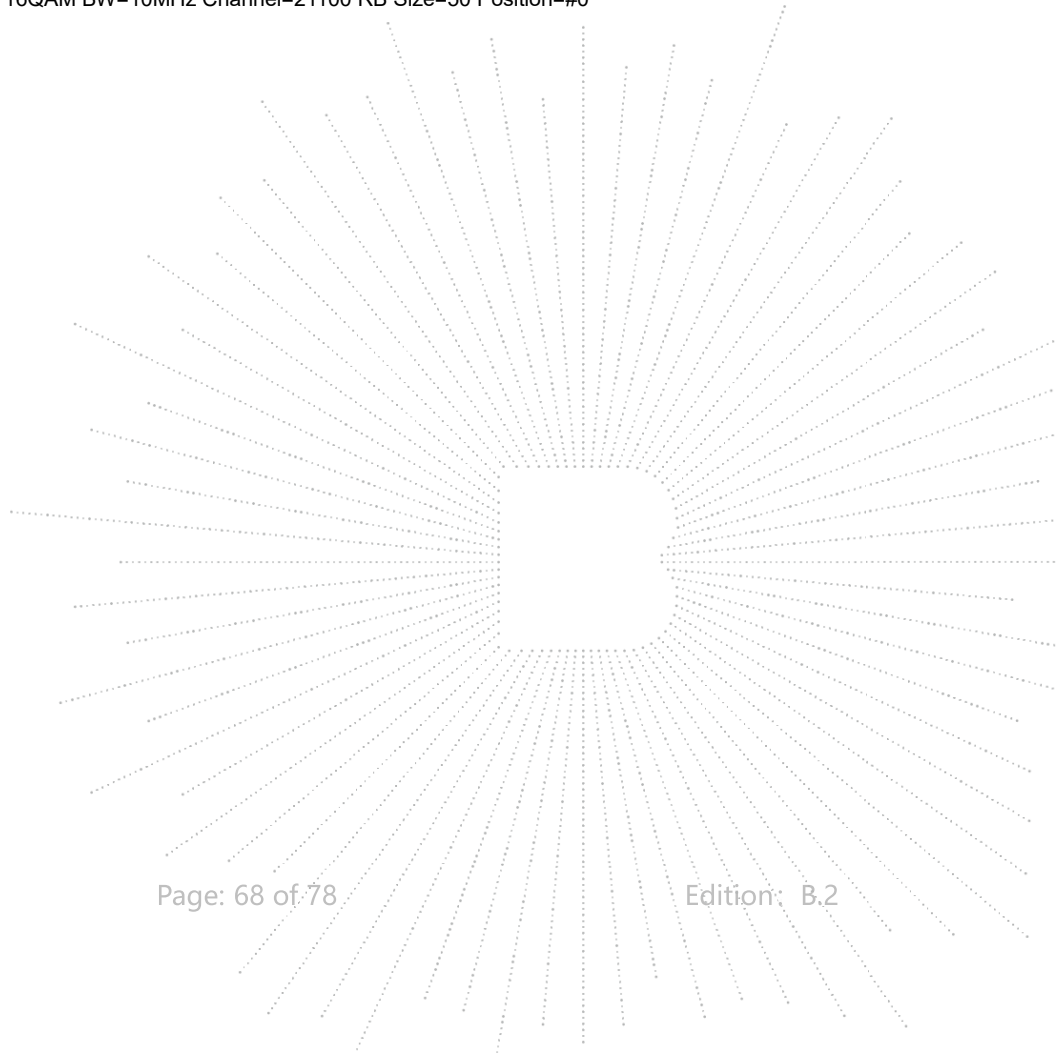
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0

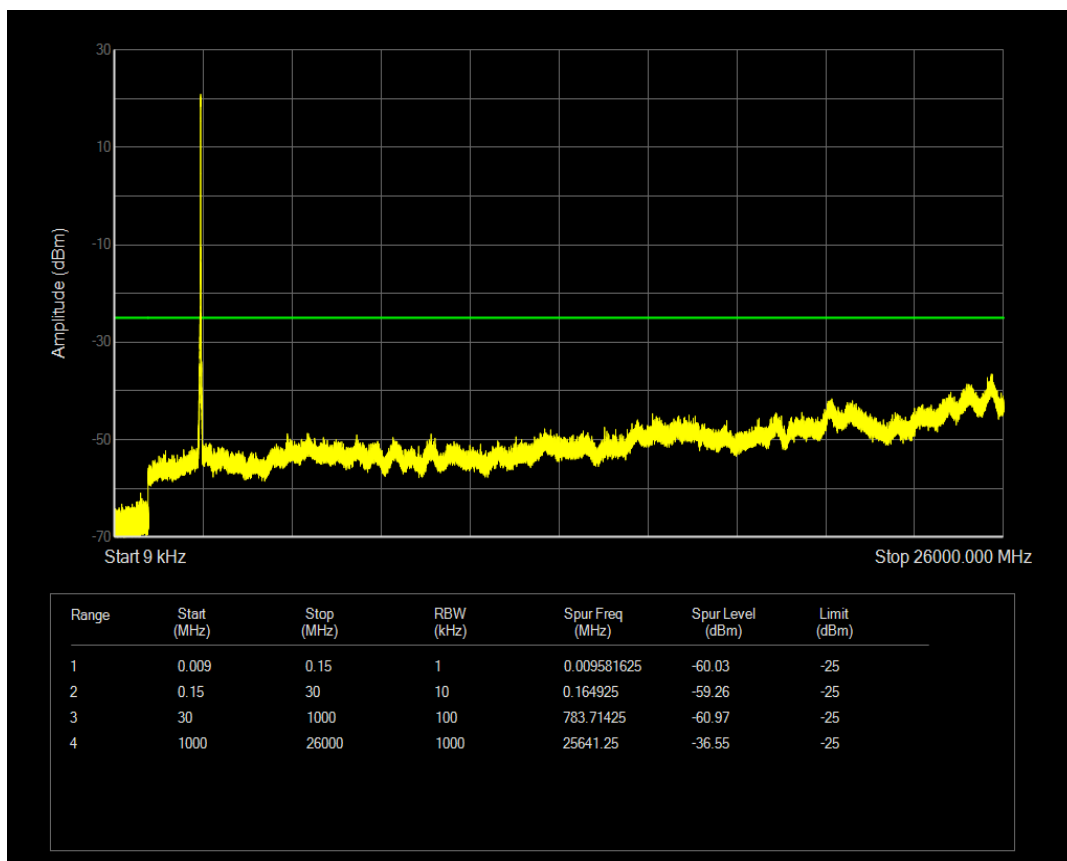


Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0

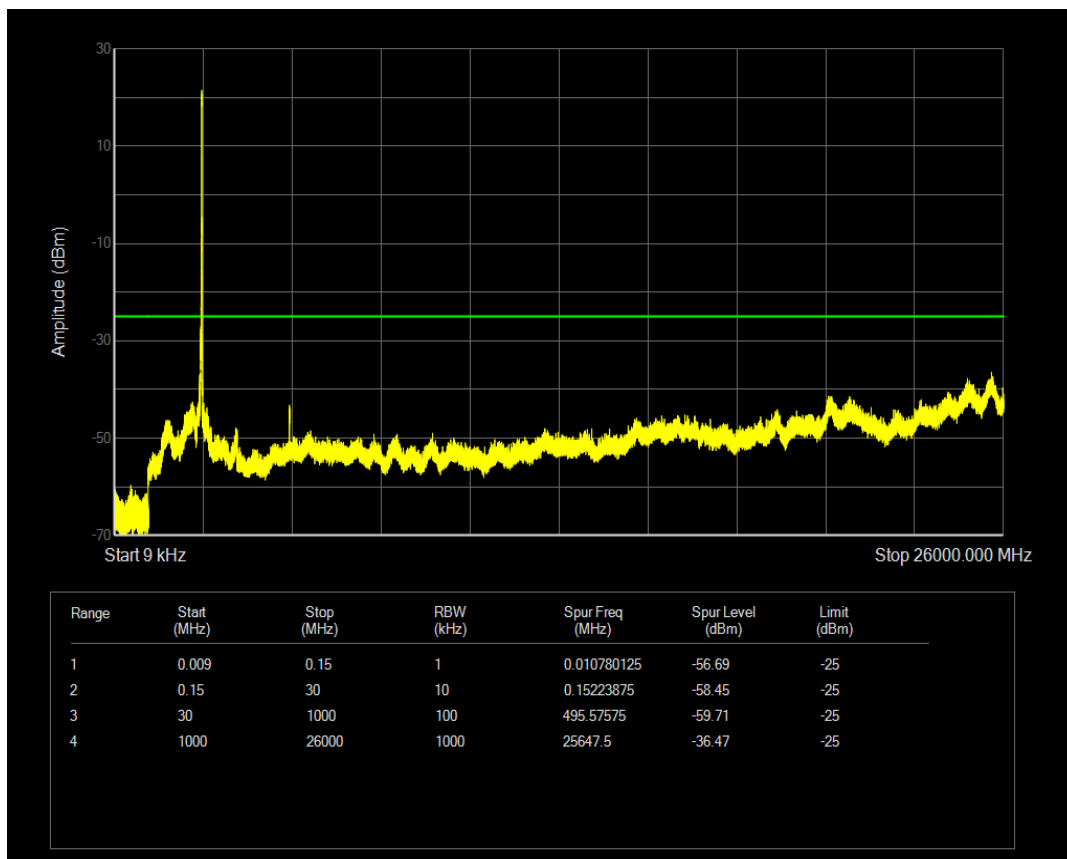


Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0

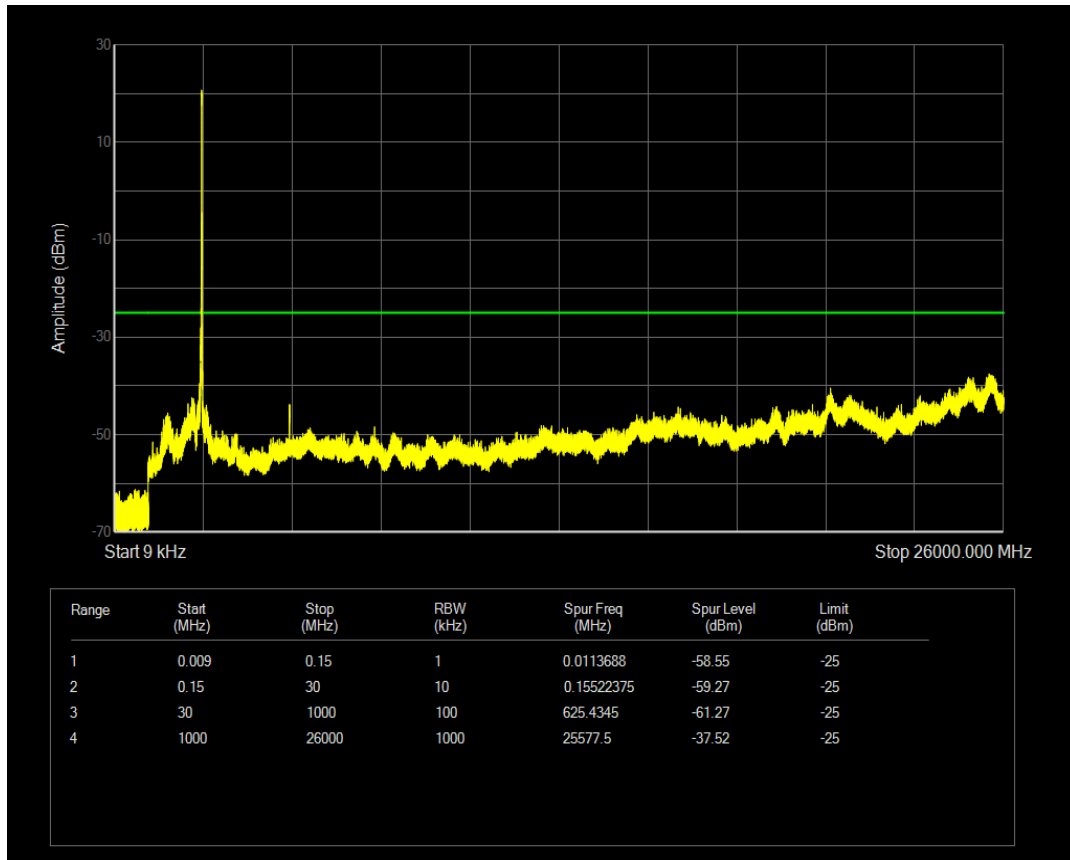




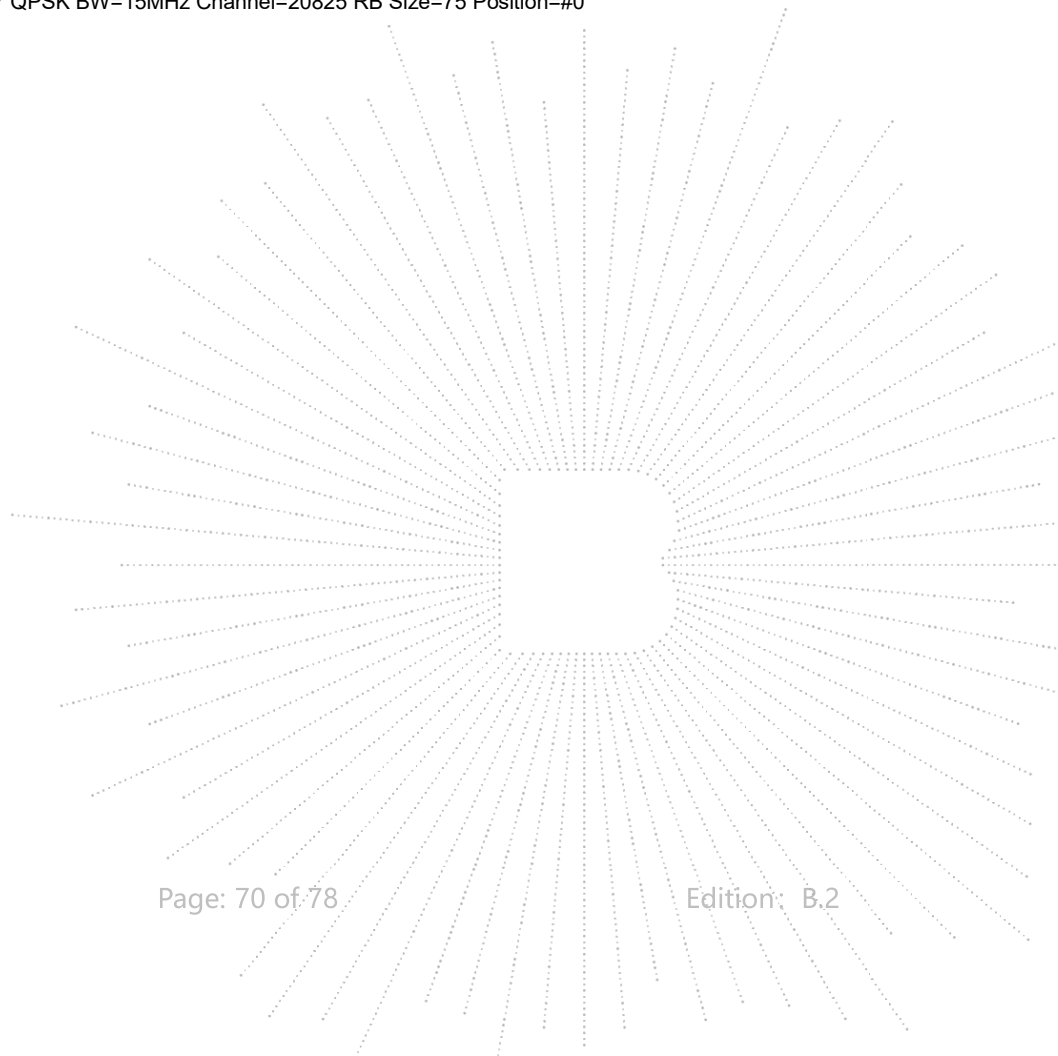
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

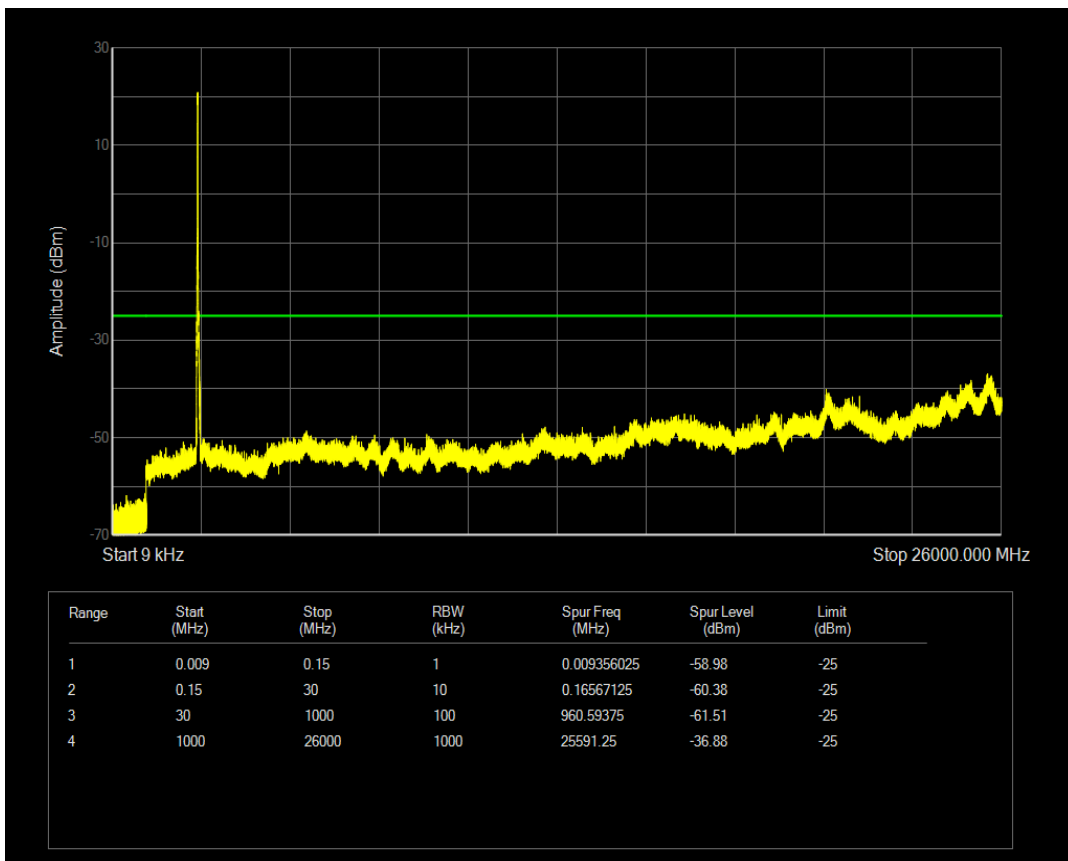


Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0

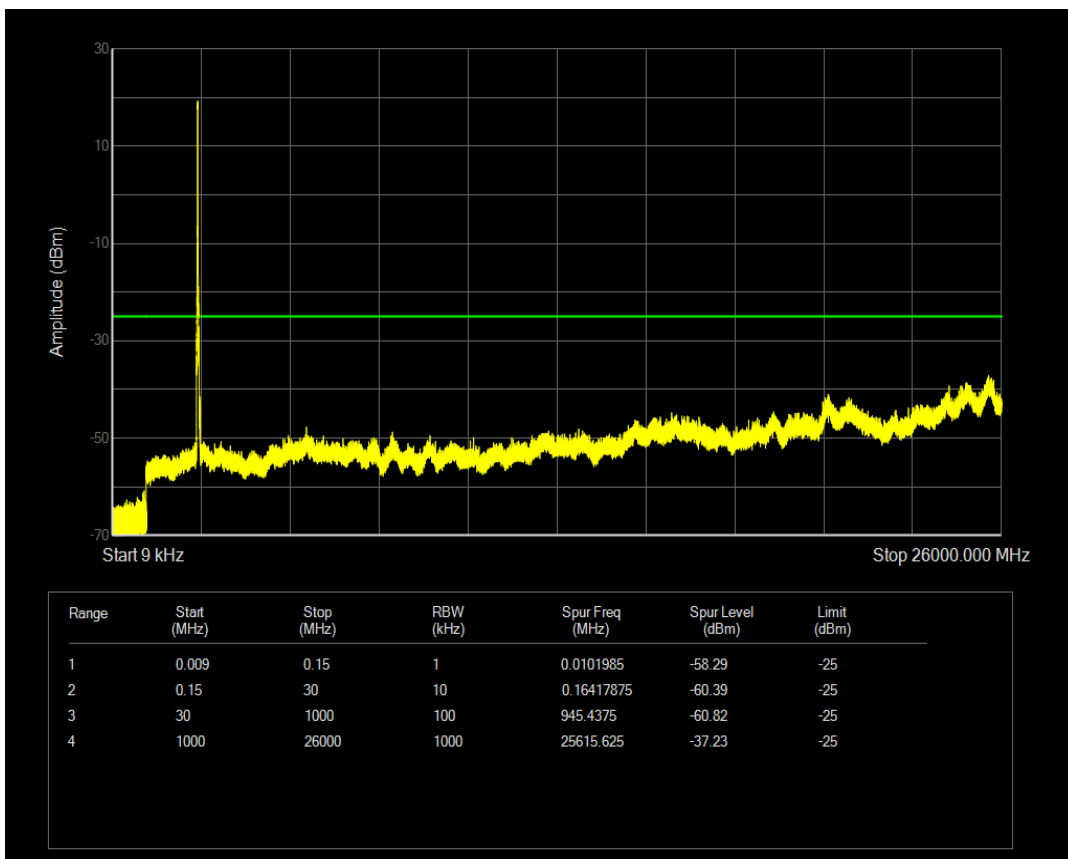


Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

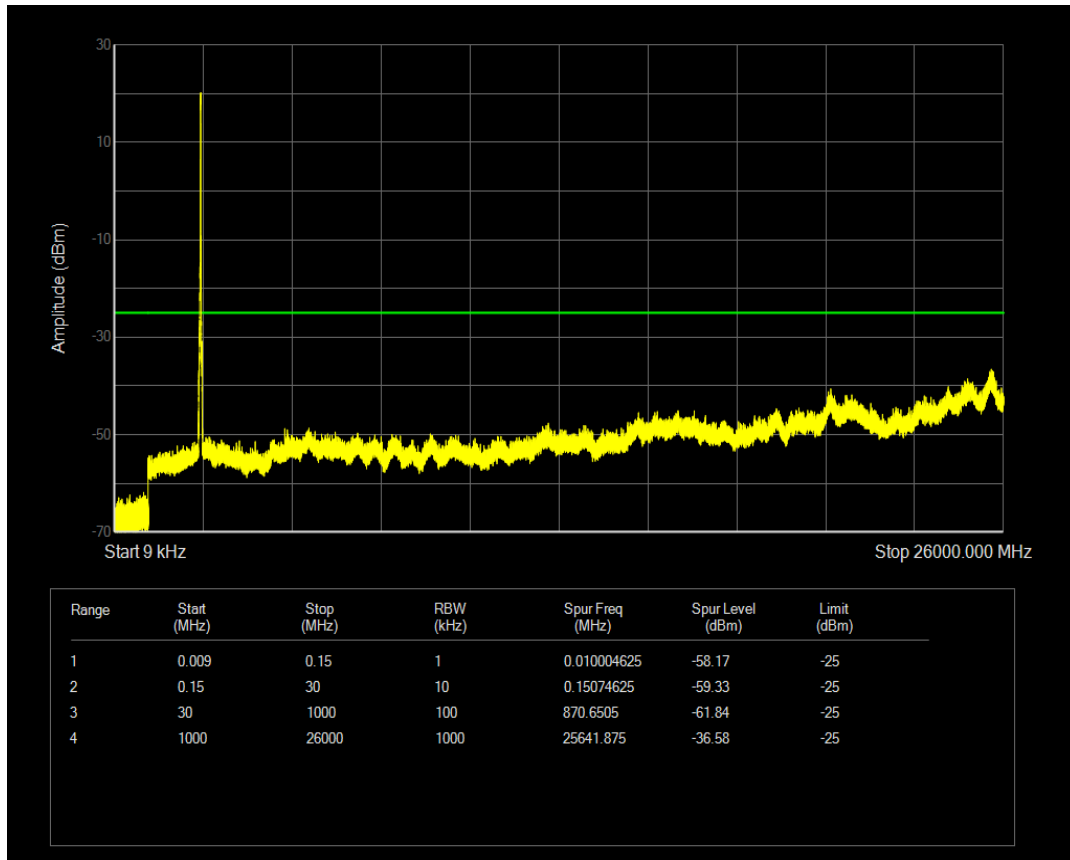




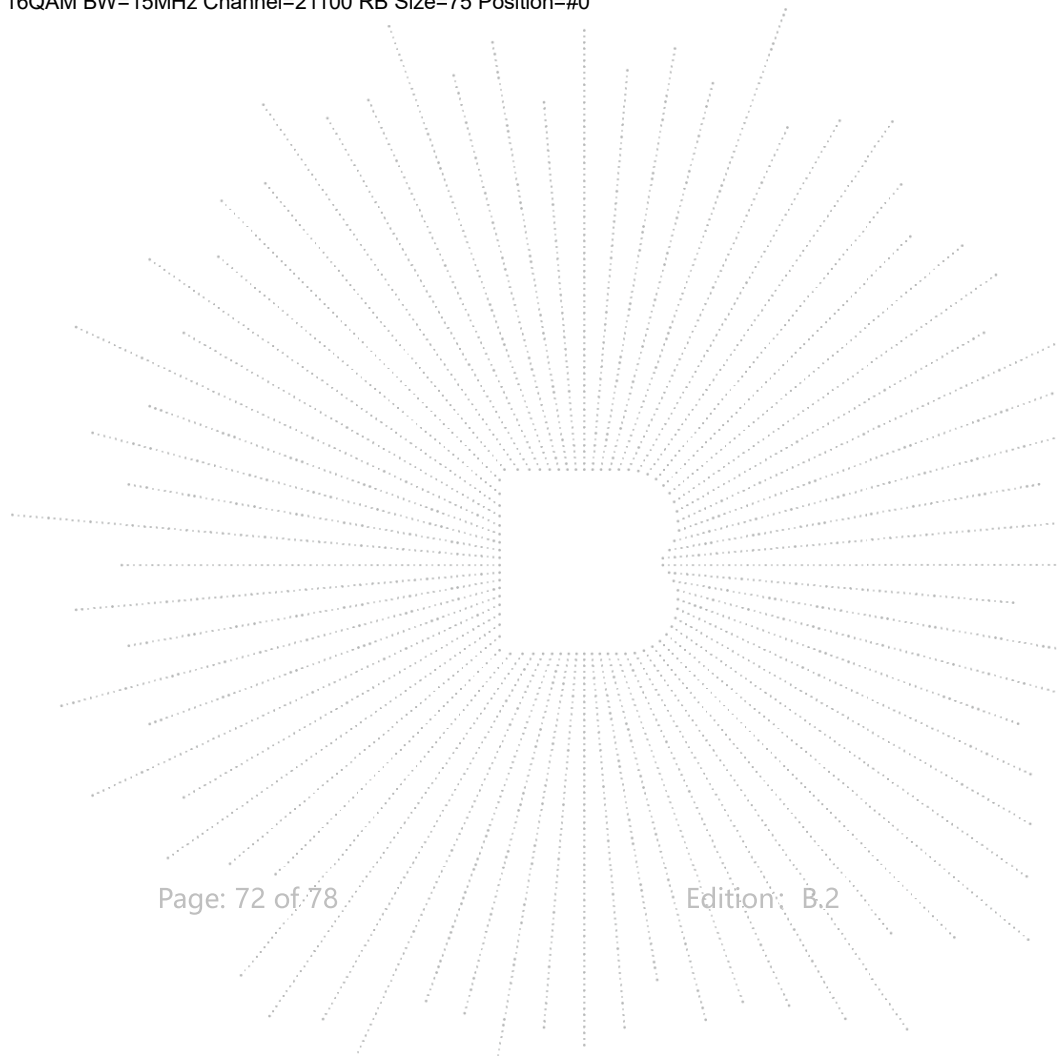
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0

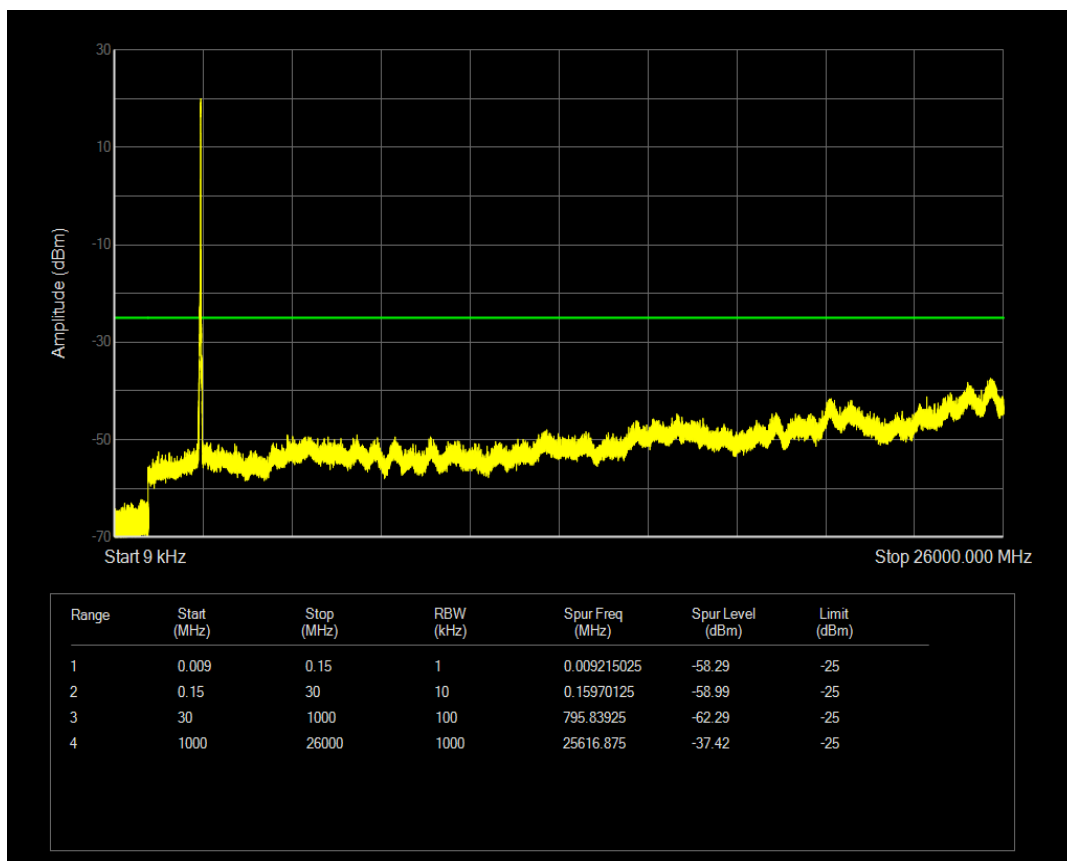


Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0

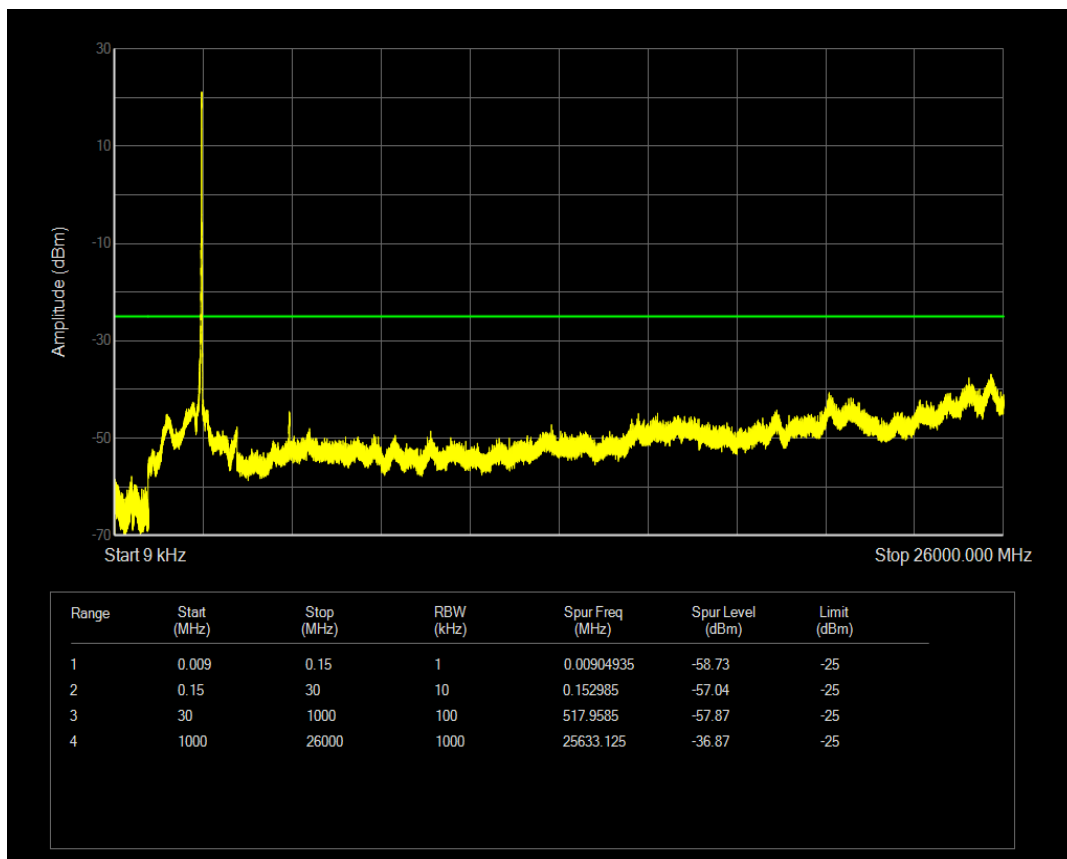


Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0

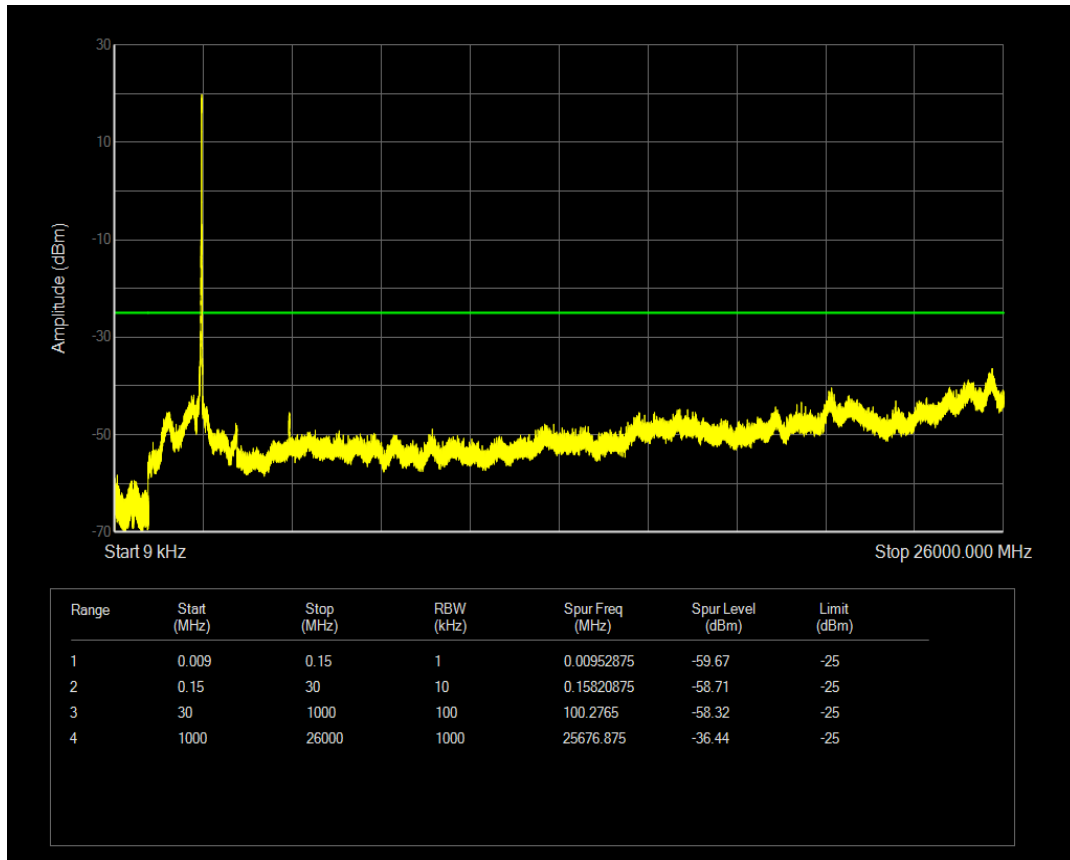




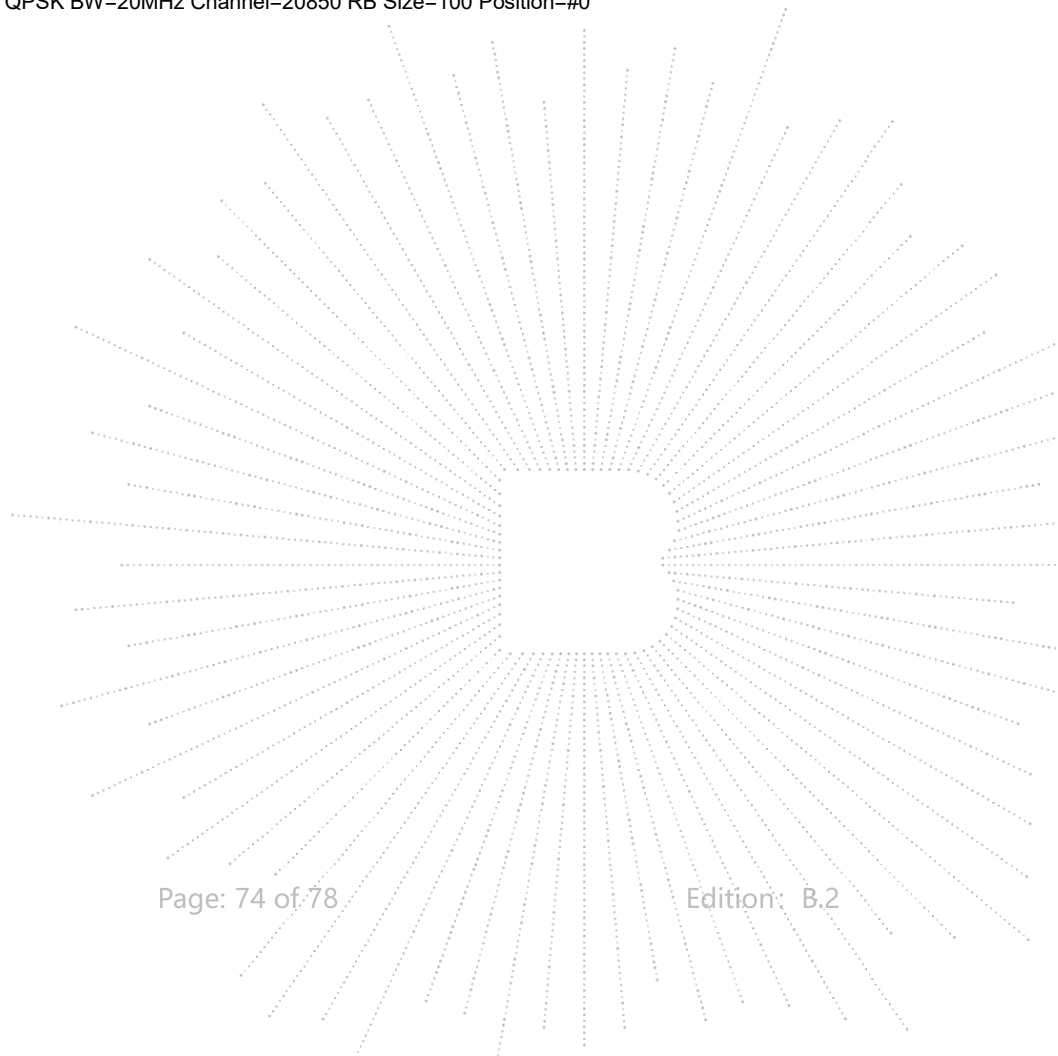
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0

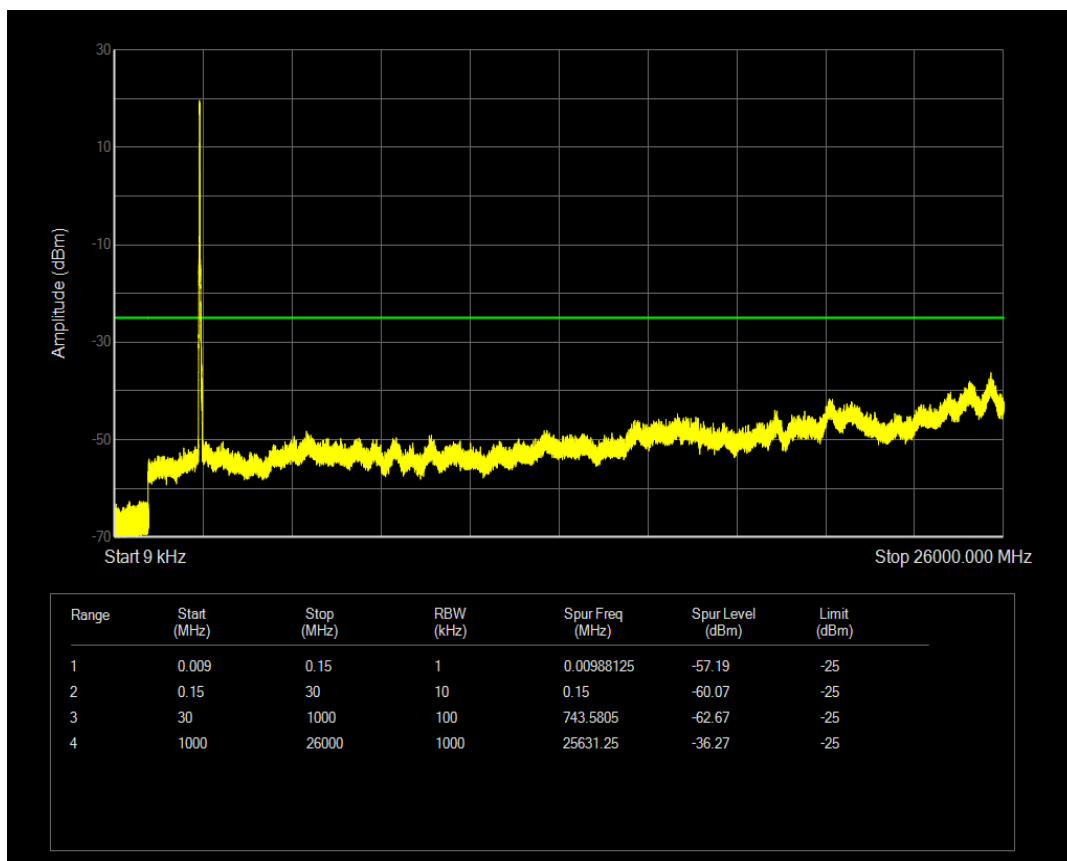


Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0

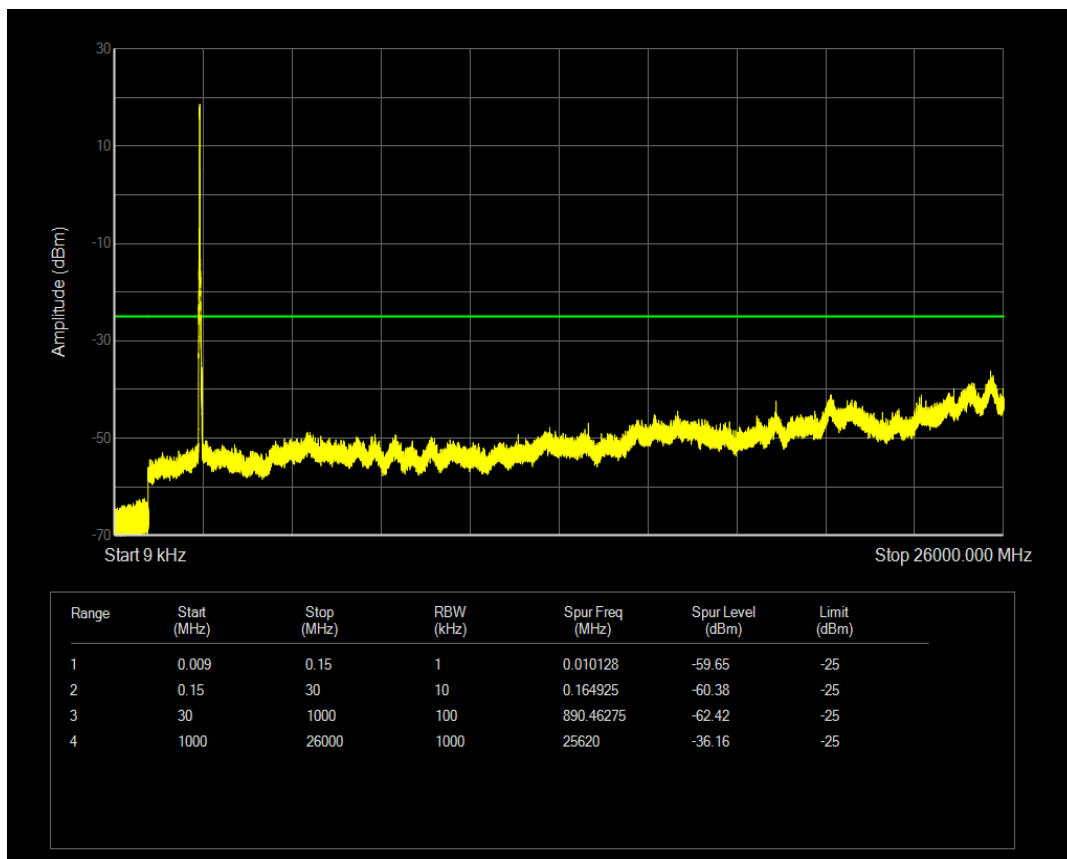


Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0

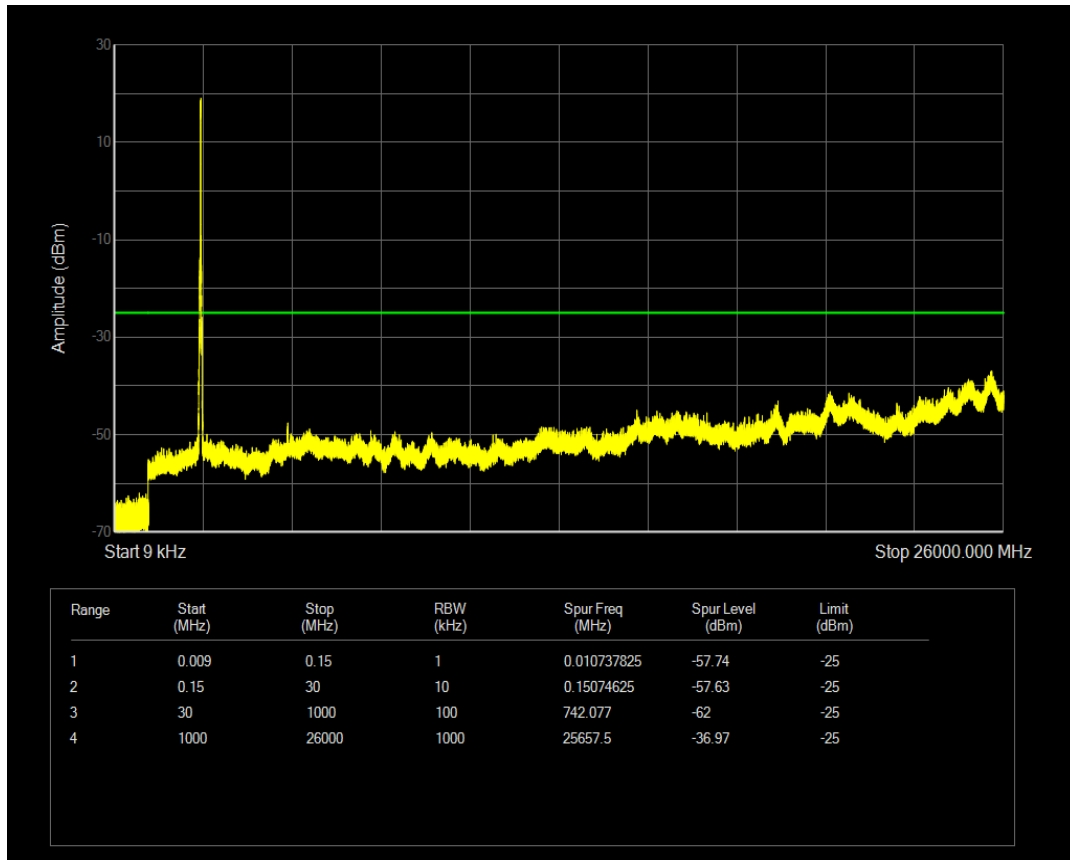




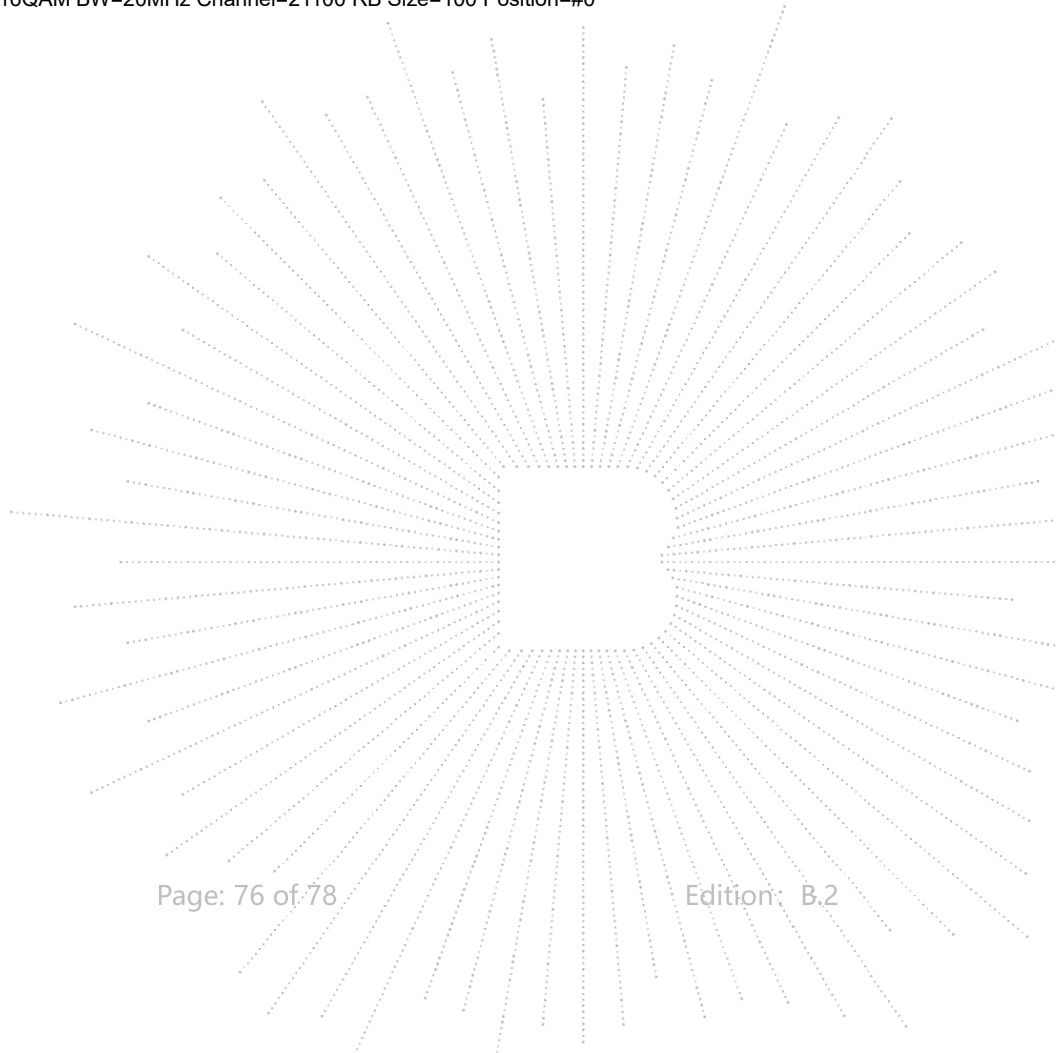
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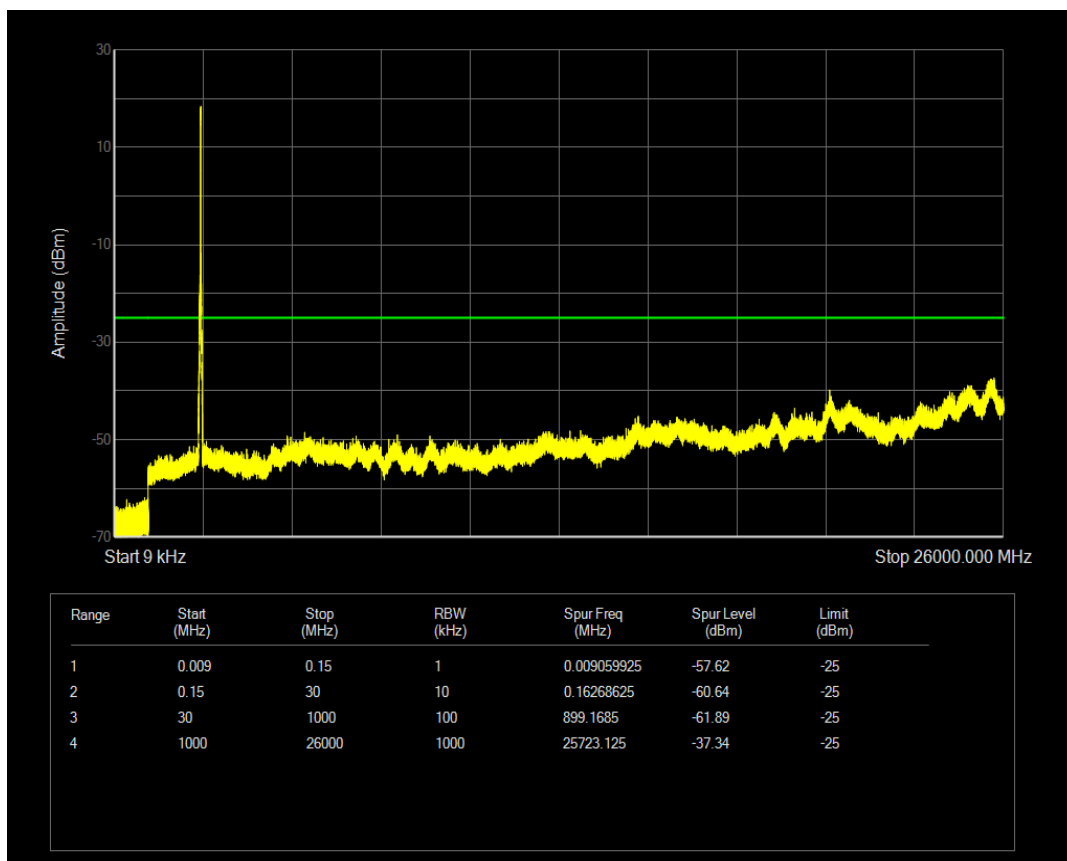


Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0

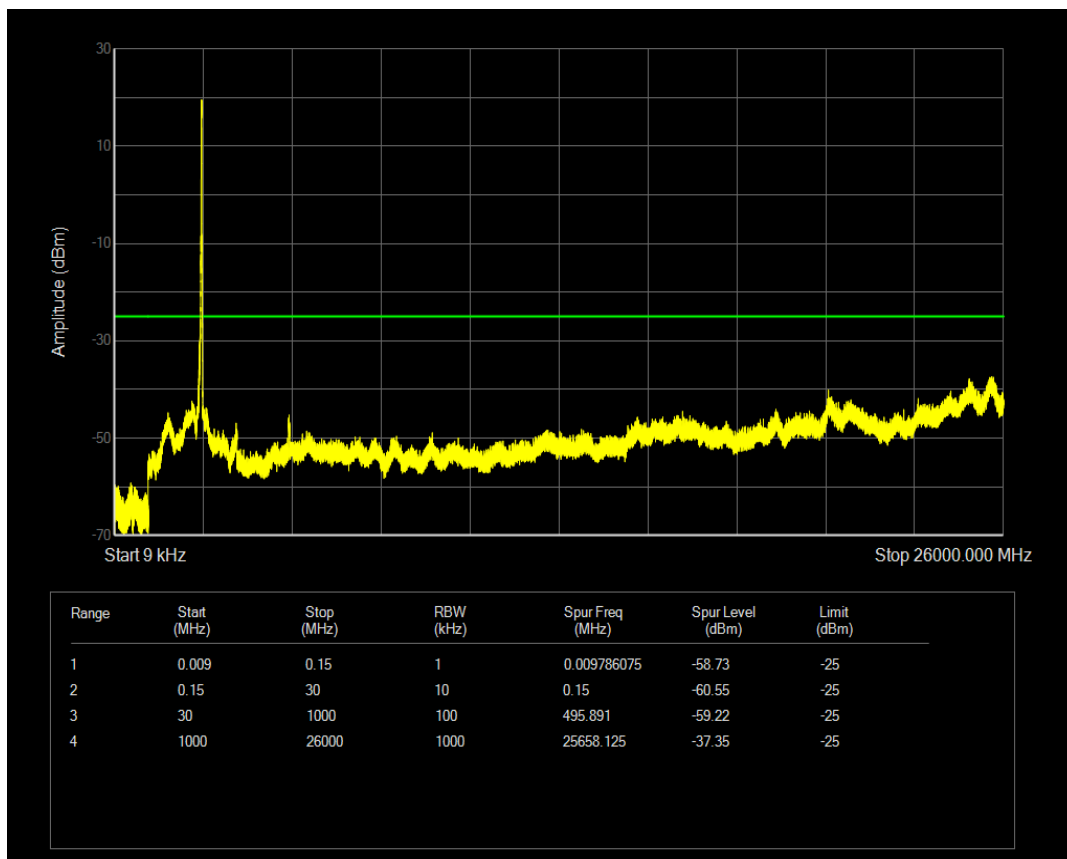


Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0



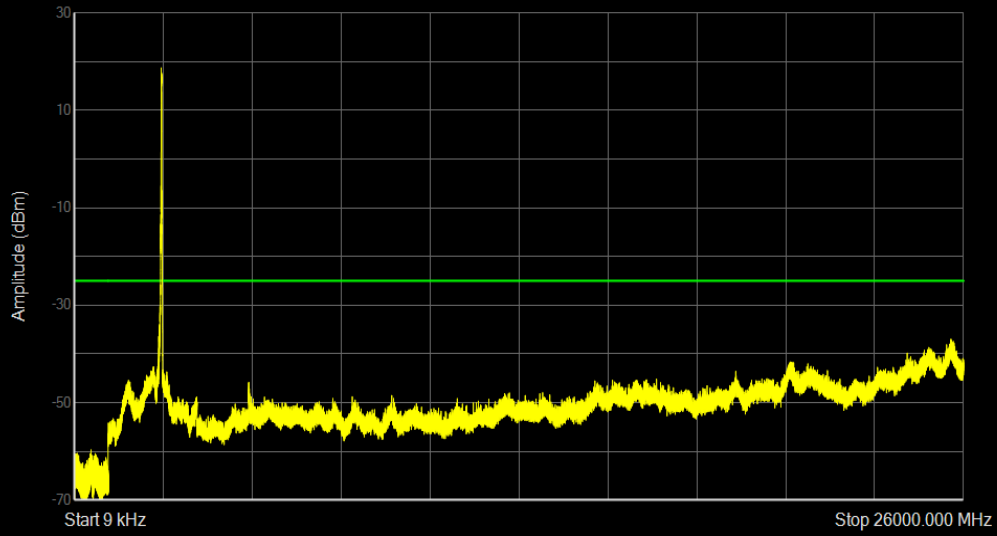


Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0





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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.02	-25
2	0.15	30	10	0.16716375	-60.84	-25
3	30	1000	100	503.2145	-59.72	-25
4	1000	26000	1000	25619.375	-37.02	-25