

Appendix for Band 5

Report No.: BCTC2404921304-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

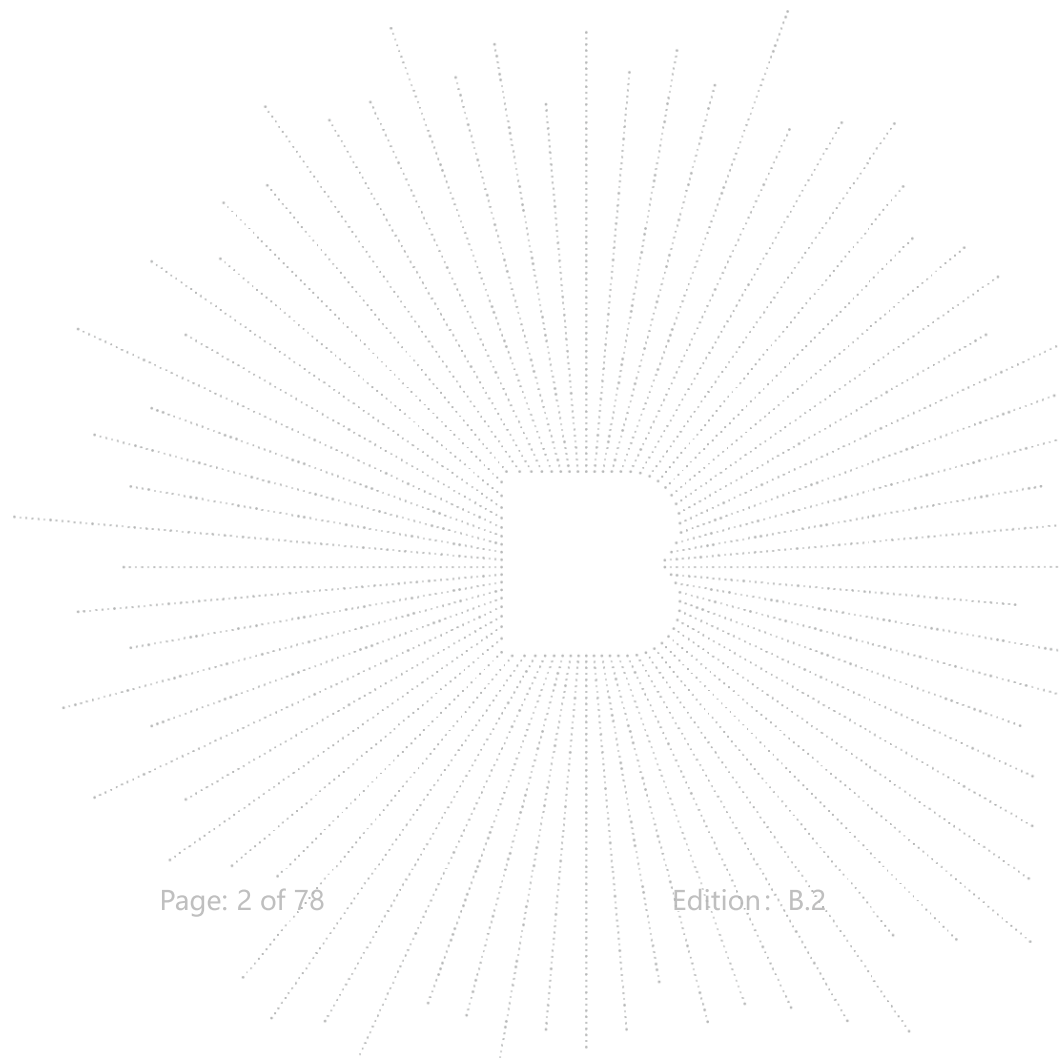
Test Model: F105

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	16
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

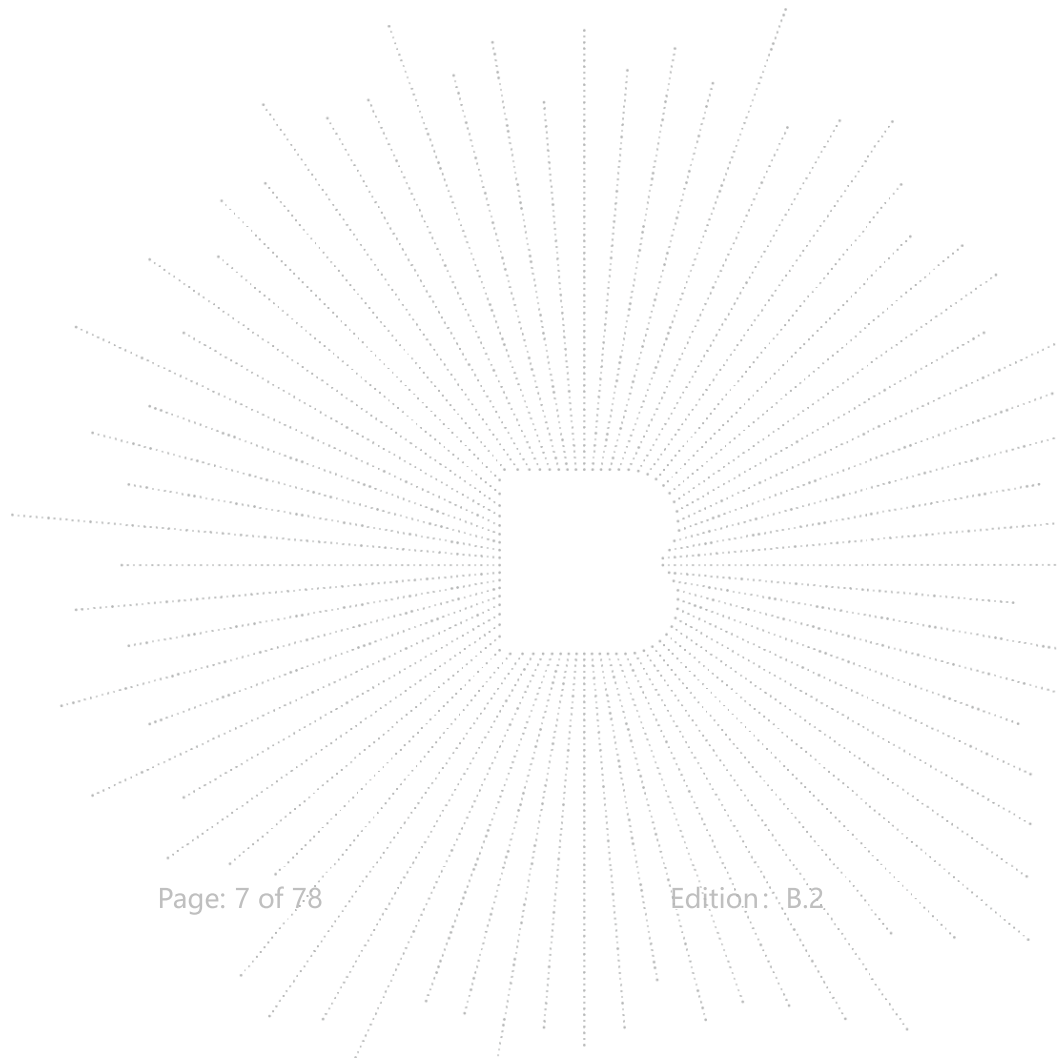
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	24.33	0.2	22.38	PASS
Band5	1.4	20407	1	#Mid	QPSK	24.50	0.2	22.55	PASS
Band5	1.4	20407	1	#Max	QPSK	24.36	0.2	22.41	PASS
Band5	1.4	20407	3	#0	QPSK	24.12	0.2	22.17	PASS
Band5	1.4	20407	3	#Mid	QPSK	24.00	0.2	22.05	PASS
Band5	1.4	20407	3	#Max	QPSK	23.94	0.2	21.99	PASS
Band5	1.4	20407	6	#0	QPSK	22.94	0.2	20.99	PASS
Band5	1.4	20407	1	#0	16QAM	23.04	0.2	21.09	PASS
Band5	1.4	20407	1	#Mid	16QAM	23.10	0.2	21.15	PASS
Band5	1.4	20407	1	#Max	16QAM	23.03	0.2	21.08	PASS
Band5	1.4	20407	3	#0	16QAM	23.07	0.2	21.12	PASS
Band5	1.4	20407	3	#Mid	16QAM	23.09	0.2	21.14	PASS
Band5	1.4	20407	3	#Max	16QAM	23.10	0.2	21.15	PASS
Band5	1.4	20407	6	#0	16QAM	22.03	0.2	20.08	PASS
Band5	1.4	20525	1	#0	QPSK	23.93	0.2	21.98	PASS
Band5	1.4	20525	1	#Mid	QPSK	24.07	0.2	22.12	PASS
Band5	1.4	20525	1	#Max	QPSK	23.93	0.2	21.98	PASS
Band5	1.4	20525	3	#0	QPSK	23.95	0.2	22.00	PASS
Band5	1.4	20525	3	#Mid	QPSK	23.93	0.2	21.98	PASS
Band5	1.4	20525	3	#Max	QPSK	23.95	0.2	22.00	PASS
Band5	1.4	20525	6	#0	QPSK	22.93	0.2	20.98	PASS
Band5	1.4	20525	1	#0	16QAM	22.74	0.2	20.79	PASS
Band5	1.4	20525	1	#Mid	16QAM	22.85	0.2	20.90	PASS
Band5	1.4	20525	1	#Max	16QAM	22.74	0.2	20.79	PASS
Band5	1.4	20525	3	#0	16QAM	23.04	0.2	21.09	PASS
Band5	1.4	20525	3	#Mid	16QAM	23.05	0.2	21.10	PASS
Band5	1.4	20525	3	#Max	16QAM	23.09	0.2	21.14	PASS
Band5	1.4	20525	6	#0	16QAM	22.11	0.2	20.16	PASS
Band5	1.4	20643	1	#0	QPSK	23.87	0.2	21.92	PASS
Band5	1.4	20643	1	#Mid	QPSK	24.05	0.2	22.10	PASS
Band5	1.4	20643	1	#Max	QPSK	23.96	0.2	22.01	PASS
Band5	1.4	20643	3	#0	QPSK	23.76	0.2	21.81	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.77	0.2	21.82	PASS
Band5	1.4	20643	3	#Max	QPSK	23.72	0.2	21.77	PASS
Band5	1.4	20643	6	#0	QPSK	22.90	0.2	20.95	PASS

Band5	1.4	20643	1	#0	16QAM	22.87	0.2	20.92	PASS
Band5	1.4	20643	1	#Mid	16QAM	22.91	0.2	20.96	PASS
Band5	1.4	20643	1	#Max	16QAM	22.73	0.2	20.78	PASS
Band5	1.4	20643	3	#0	16QAM	22.92	0.2	20.97	PASS
Band5	1.4	20643	3	#Mid	16QAM	22.88	0.2	20.93	PASS
Band5	1.4	20643	3	#Max	16QAM	22.81	0.2	20.86	PASS
Band5	1.4	20643	6	#0	16QAM	21.94	0.2	19.99	PASS
Band5	3	20415	1	#0	QPSK	23.89	0.2	21.94	PASS
Band5	3	20415	1	#Mid	QPSK	24.12	0.2	22.17	PASS
Band5	3	20415	1	#Max	QPSK	23.91	0.2	21.96	PASS
Band5	3	20415	8	#0	QPSK	22.91	0.2	20.96	PASS
Band5	3	20415	8	#Mid	QPSK	22.94	0.2	20.99	PASS
Band5	3	20415	8	#Max	QPSK	22.96	0.2	21.01	PASS
Band5	3	20415	15	#0	QPSK	22.86	0.2	20.91	PASS
Band5	3	20415	1	#0	16QAM	23.23	0.2	21.28	PASS
Band5	3	20415	1	#Mid	16QAM	23.55	0.2	21.60	PASS
Band5	3	20415	1	#Max	16QAM	23.25	0.2	21.30	PASS
Band5	3	20415	8	#0	16QAM	21.88	0.2	19.93	PASS
Band5	3	20415	8	#Mid	16QAM	21.90	0.2	19.95	PASS
Band5	3	20415	8	#Max	16QAM	21.96	0.2	20.01	PASS
Band5	3	20415	15	#0	16QAM	21.90	0.2	19.95	PASS
Band5	3	20525	1	#0	QPSK	23.94	0.2	21.99	PASS
Band5	3	20525	1	#Mid	QPSK	24.16	0.2	22.21	PASS
Band5	3	20525	1	#Max	QPSK	23.89	0.2	21.94	PASS
Band5	3	20525	8	#0	QPSK	22.92	0.2	20.97	PASS
Band5	3	20525	8	#Mid	QPSK	22.95	0.2	21.00	PASS
Band5	3	20525	8	#Max	QPSK	22.91	0.2	20.96	PASS
Band5	3	20525	15	#0	QPSK	22.90	0.2	20.95	PASS
Band5	3	20525	1	#0	16QAM	23.11	0.2	21.16	PASS
Band5	3	20525	1	#Mid	16QAM	23.36	0.2	21.41	PASS
Band5	3	20525	1	#Max	16QAM	23.06	0.2	21.11	PASS
Band5	3	20525	8	#0	16QAM	21.97	0.2	20.02	PASS
Band5	3	20525	8	#Mid	16QAM	21.91	0.2	19.96	PASS
Band5	3	20525	8	#Max	16QAM	21.91	0.2	19.96	PASS
Band5	3	20525	15	#0	16QAM	21.87	0.2	19.92	PASS
Band5	3	20635	1	#0	QPSK	23.87	0.2	21.92	PASS
Band5	3	20635	1	#Mid	QPSK	24.18	0.2	22.23	PASS
Band5	3	20635	1	#Max	QPSK	24.06	0.2	22.11	PASS
Band5	3	20635	8	#0	QPSK	22.91	0.2	20.96	PASS
Band5	3	20635	8	#Mid	QPSK	22.90	0.2	20.95	PASS
Band5	3	20635	8	#Max	QPSK	22.77	0.2	20.82	PASS
Band5	3	20635	15	#0	QPSK	22.81	0.2	20.86	PASS

Band5	3	20635	1	#0	16QAM	22.73	0.2	20.78	PASS
Band5	3	20635	1	#Mid	16QAM	23.00	0.2	21.05	PASS
Band5	3	20635	1	#Max	16QAM	22.55	0.2	20.60	PASS
Band5	3	20635	8	#0	16QAM	21.92	0.2	19.97	PASS
Band5	3	20635	8	#Mid	16QAM	21.91	0.2	19.96	PASS
Band5	3	20635	8	#Max	16QAM	21.77	0.2	19.82	PASS
Band5	3	20635	15	#0	16QAM	21.89	0.2	19.94	PASS
Band5	5	20425	1	#0	QPSK	23.79	0.2	21.84	PASS
Band5	5	20425	1	#Mid	QPSK	24.22	0.2	22.27	PASS
Band5	5	20425	1	#Max	QPSK	23.82	0.2	21.87	PASS
Band5	5	20425	12	#0	QPSK	22.80	0.2	20.85	PASS
Band5	5	20425	12	#Mid	QPSK	22.98	0.2	21.03	PASS
Band5	5	20425	12	#Max	QPSK	22.98	0.2	21.03	PASS
Band5	5	20425	25	#0	QPSK	22.91	0.2	20.96	PASS
Band5	5	20425	1	#0	16QAM	23.19	0.2	21.24	PASS
Band5	5	20425	1	#Mid	16QAM	23.53	0.2	21.58	PASS
Band5	5	20425	1	#Max	16QAM	23.27	0.2	21.32	PASS
Band5	5	20425	12	#0	16QAM	21.79	0.2	19.84	PASS
Band5	5	20425	12	#Mid	16QAM	21.94	0.2	19.99	PASS
Band5	5	20425	12	#Max	16QAM	21.95	0.2	20.00	PASS
Band5	5	20425	25	#0	16QAM	21.88	0.2	19.93	PASS
Band5	5	20525	1	#0	QPSK	23.87	0.2	21.92	PASS
Band5	5	20525	1	#Mid	QPSK	24.18	0.2	22.23	PASS
Band5	5	20525	1	#Max	QPSK	23.82	0.2	21.87	PASS
Band5	5	20525	12	#0	QPSK	22.92	0.2	20.97	PASS
Band5	5	20525	12	#Mid	QPSK	22.96	0.2	21.01	PASS
Band5	5	20525	12	#Max	QPSK	22.90	0.2	20.95	PASS
Band5	5	20525	25	#0	QPSK	22.89	0.2	20.94	PASS
Band5	5	20525	1	#0	16QAM	23.15	0.2	21.20	PASS
Band5	5	20525	1	#Mid	16QAM	23.42	0.2	21.47	PASS
Band5	5	20525	1	#Max	16QAM	23.11	0.2	21.16	PASS
Band5	5	20525	12	#0	16QAM	21.85	0.2	19.90	PASS
Band5	5	20525	12	#Mid	16QAM	21.92	0.2	19.97	PASS
Band5	5	20525	12	#Max	16QAM	21.84	0.2	19.89	PASS
Band5	5	20525	25	#0	16QAM	21.94	0.2	19.99	PASS
Band5	5	20625	1	#0	QPSK	23.66	0.2	21.71	PASS
Band5	5	20625	1	#Mid	QPSK	24.10	0.2	22.15	PASS
Band5	5	20625	1	#Max	QPSK	23.75	0.2	21.80	PASS
Band5	5	20625	12	#0	QPSK	22.87	0.2	20.92	PASS
Band5	5	20625	12	#Mid	QPSK	22.93	0.2	20.98	PASS
Band5	5	20625	12	#Max	QPSK	22.57	0.2	20.62	PASS
Band5	5	20625	25	#0	QPSK	22.75	0.2	20.80	PASS

Band5	5	20625	1	#0	16QAM	23.02	0.2	21.07	PASS
Band5	5	20625	1	#Mid	16QAM	23.41	0.2	21.46	PASS
Band5	5	20625	1	#Max	16QAM	22.88	0.2	20.93	PASS
Band5	5	20625	12	#0	16QAM	21.88	0.2	19.93	PASS
Band5	5	20625	12	#Mid	16QAM	21.96	0.2	20.01	PASS
Band5	5	20625	12	#Max	16QAM	21.59	0.2	19.64	PASS
Band5	5	20625	25	#0	16QAM	21.79	0.2	19.84	PASS
Band5	10	20450	1	#0	QPSK	23.87	0.2	21.92	PASS
Band5	10	20450	1	#Mid	QPSK	24.04	0.2	22.09	PASS
Band5	10	20450	1	#Max	QPSK	23.95	0.2	22.00	PASS
Band5	10	20450	25	#0	QPSK	22.83	0.2	20.88	PASS
Band5	10	20450	25	#Mid	QPSK	22.91	0.2	20.96	PASS
Band5	10	20450	25	#Max	QPSK	23.01	0.2	21.06	PASS
Band5	10	20450	50	#0	QPSK	22.92	0.2	20.97	PASS
Band5	10	20450	1	#0	16QAM	22.97	0.2	21.02	PASS
Band5	10	20450	1	#Mid	16QAM	23.13	0.2	21.18	PASS
Band5	10	20450	1	#Max	16QAM	23.07	0.2	21.12	PASS
Band5	10	20450	25	#0	16QAM	21.84	0.2	19.89	PASS
Band5	10	20450	25	#Mid	16QAM	21.92	0.2	19.97	PASS
Band5	10	20450	25	#Max	16QAM	22.03	0.2	20.08	PASS
Band5	10	20450	50	#0	16QAM	21.95	0.2	20.00	PASS
Band5	10	20525	1	#0	QPSK	23.99	0.2	22.04	PASS
Band5	10	20525	1	#Mid	QPSK	24.15	0.2	22.20	PASS
Band5	10	20525	1	#Max	QPSK	23.99	0.2	22.04	PASS
Band5	10	20525	25	#0	QPSK	22.98	0.2	21.03	PASS
Band5	10	20525	25	#Mid	QPSK	22.97	0.2	21.02	PASS
Band5	10	20525	25	#Max	QPSK	22.97	0.2	21.02	PASS
Band5	10	20525	50	#0	QPSK	22.96	0.2	21.01	PASS
Band5	10	20525	1	#0	16QAM	22.76	0.2	20.81	PASS
Band5	10	20525	1	#Mid	16QAM	22.93	0.2	20.98	PASS
Band5	10	20525	1	#Max	16QAM	22.73	0.2	20.78	PASS
Band5	10	20525	25	#0	16QAM	21.98	0.2	20.03	PASS
Band5	10	20525	25	#Mid	16QAM	21.97	0.2	20.02	PASS
Band5	10	20525	25	#Max	16QAM	21.97	0.2	20.02	PASS
Band5	10	20525	50	#0	16QAM	21.97	0.2	20.02	PASS
Band5	10	20600	1	#0	QPSK	23.84	0.2	21.89	PASS
Band5	10	20600	1	#Mid	QPSK	23.91	0.2	21.96	PASS
Band5	10	20600	1	#Max	QPSK	23.90	0.2	21.95	PASS
Band5	10	20600	25	#0	QPSK	22.83	0.2	20.88	PASS
Band5	10	20600	25	#Mid	QPSK	22.88	0.2	20.93	PASS
Band5	10	20600	25	#Max	QPSK	22.63	0.2	20.68	PASS
Band5	10	20600	50	#0	QPSK	22.74	0.2	20.79	PASS

Band5	10	20600	1	#0	16QAM	23.19	0.2	21.24	PASS
Band5	10	20600	1	#Mid	16QAM	23.34	0.2	21.39	PASS
Band5	10	20600	1	#Max	16QAM	23.06	0.2	21.11	PASS
Band5	10	20600	25	#0	16QAM	21.87	0.2	19.92	PASS
Band5	10	20600	25	#Mid	16QAM	21.91	0.2	19.96	PASS
Band5	10	20600	25	#Max	16QAM	21.63	0.2	19.68	PASS
Band5	10	20600	50	#0	16QAM	21.75	0.2	19.80	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	LV	NT	-15.99	-0.019	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-10.84	-0.013	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-6.91	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-4.41	-0.005	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-5.66	-0.007	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-2.65	-0.003	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	1.42	0.002	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-2.35	-0.003	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	0.23	0.000	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-3.60	-0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-2.49	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-2.27	-0.003	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-4.65	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-5.09	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-5.08	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-2.92	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	0.56	0.001	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-4.12	-0.005	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-12.33	-0.015	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-11.47	-0.014	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-7.24	-0.009	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-2.60	-0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-2.92	-0.004	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-0.54	-0.001	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-1.86	-0.002	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-5.76	-0.007	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-4.35	-0.005	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-1.36	-0.002	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-5.55	-0.007	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-5.92	-0.007	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-2.98	-0.004	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-6.28	-0.007	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-4.88	-0.006	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-1.96	-0.002	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-3.10	-0.004	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-0.07	0.000	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-8.08	-0.010	PASS

Band5	5	20425	25	#0	QPSK	NV	NT	-7.67	-0.009	PASS
Band5	5	20425	25	#0	QPSK	HV	NT	-6.01	-0.007	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-4.38	-0.005	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-6.07	-0.007	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-4.29	-0.005	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-5.01	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-6.57	-0.008	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-1.29	-0.002	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-4.31	-0.005	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-6.88	-0.008	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-5.39	-0.006	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-8.37	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-11.03	-0.013	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-7.20	-0.009	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-5.66	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-7.38	-0.009	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-9.37	-0.011	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-7.24	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	-5.45	-0.007	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-3.69	-0.004	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	-5.82	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	-4.76	-0.006	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	-4.28	-0.005	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-2.27	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-4.26	-0.005	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-6.27	-0.007	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	-2.69	-0.003	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	-7.55	-0.009	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	-5.64	-0.007	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-8.60	-0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-7.37	-0.009	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-6.42	-0.008	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	-7.65	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	-7.12	-0.008	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	-4.71	-0.006	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	NV	-30	-14.68	-0.018	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-14.20	-0.017	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-12.70	-0.015	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-12.46	-0.015	PASS

Band5	1.4	20407	6	#0	QPSK	NV	10	-7.60	-0.009	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-5.84	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	NV	30	-2.17	-0.003	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-4.45	-0.005	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-5.65	-0.007	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-2.15	-0.003	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-6.78	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-4.32	-0.005	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	3.58	0.004	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-2.60	-0.003	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-6.19	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-6.54	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	0.07	0.000	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-3.86	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-7.61	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	-8.45	-0.010	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	1.69	0.002	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	-1.36	-0.002	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	-0.59	-0.001	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	-6.37	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	-0.09	0.000	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-6.24	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-4.03	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	2.43	0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-0.34	0.000	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-1.93	-0.002	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-0.86	-0.001	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-3.25	-0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-5.65	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	1.14	0.001	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-6.09	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-3.58	-0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-11.13	-0.013	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-4.33	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-3.48	-0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-3.33	-0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-0.67	-0.001	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	3.63	0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	0.70	0.001	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-1.49	-0.002	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-2.79	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	1.99	0.002	PASS

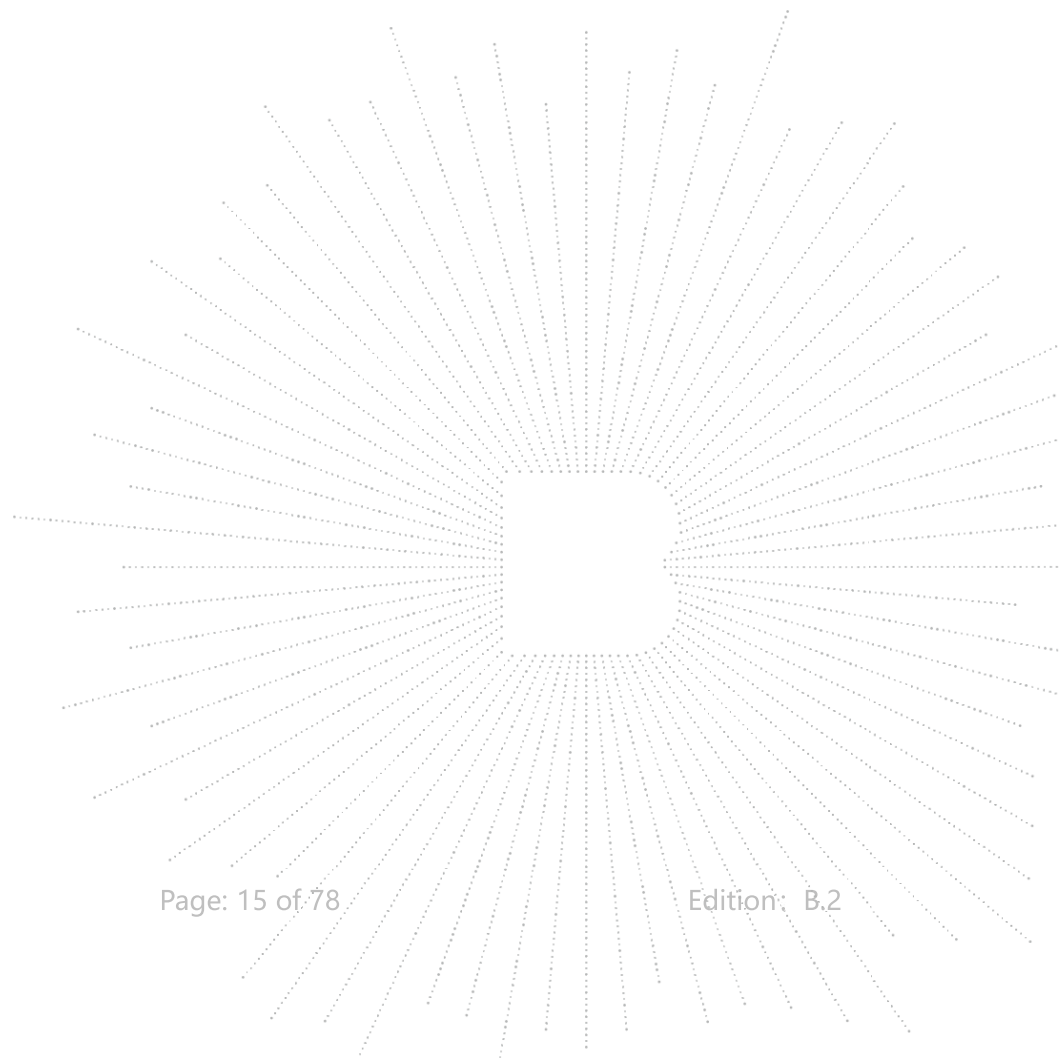
Band5	1.4	20643	6	#0	16QAM	NV	-20	-2.03	-0.002	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	6.51	0.008	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	0.49	0.001	PASS
Band5	1.4	20643	6	#0	16QAM	NV	10	-1.83	-0.002	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-3.18	-0.004	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-3.52	-0.004	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	1.13	0.001	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	-2.73	-0.003	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-10.56	-0.013	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-12.57	-0.015	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-9.54	-0.012	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-5.51	-0.007	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-2.70	-0.003	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-3.12	-0.004	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-5.62	-0.007	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-1.32	-0.002	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-5.01	-0.006	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-1.12	-0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	0.01	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	0.96	0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	0	1.09	0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-2.68	-0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-5.99	-0.007	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-5.52	-0.007	PASS
Band5	3	20415	15	#0	16QAM	NV	40	1.06	0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-3.29	-0.004	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-5.61	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-6.39	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-3.08	-0.004	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-5.08	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-2.10	-0.003	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-6.01	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-1.49	-0.002	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-1.32	-0.002	PASS
Band5	3	20525	15	#0	QPSK	NV	50	-2.88	-0.003	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	-0.19	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	-7.55	-0.009	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	-2.30	-0.003	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-7.44	-0.009	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-6.64	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-6.07	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-3.73	-0.004	PASS

Band5	3	20525	15	#0	16QAM	NV	40	-9.73	-0.012	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-5.72	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-4.41	-0.005	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-6.31	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-10	-5.75	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-1.66	-0.002	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-2.62	-0.003	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-2.99	-0.004	PASS
Band5	3	20635	15	#0	QPSK	NV	30	1.13	0.001	PASS
Band5	3	20635	15	#0	QPSK	NV	40	-2.05	-0.002	PASS
Band5	3	20635	15	#0	QPSK	NV	50	-1.66	-0.002	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	-2.05	-0.002	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	0.31	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	-9.30	-0.011	PASS
Band5	3	20635	15	#0	16QAM	NV	0	-4.91	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	10	-4.41	-0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	20	-5.11	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-3.50	-0.004	PASS
Band5	3	20635	15	#0	16QAM	NV	40	-3.28	-0.004	PASS
Band5	3	20635	15	#0	16QAM	NV	50	-2.63	-0.003	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-10.21	-0.012	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-8.43	-0.010	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-4.81	-0.006	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-5.59	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-3.43	-0.004	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-5.38	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-7.28	-0.009	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-3.68	-0.004	PASS
Band5	5	20425	25	#0	QPSK	NV	50	-6.58	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	-5.97	-0.007	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	-3.55	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	-3.26	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-5.28	-0.006	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-3.75	-0.005	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-6.67	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	30	-8.63	-0.010	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-3.78	-0.005	PASS
Band5	5	20425	25	#0	16QAM	NV	50	-12.06	-0.015	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	-6.37	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	-7.00	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	-1.82	-0.002	PASS
Band5	5	20525	25	#0	QPSK	NV	0	-7.28	-0.009	PASS

Band5	5	20525	25	#0	QPSK	NV	10	-5.25	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	20	-7.87	-0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	30	-5.89	-0.007	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-2.75	-0.003	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-9.71	-0.012	PASS
Band5	5	20525	25	#0	16QAM	NV	-30	0.57	0.001	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	-4.68	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	-5.18	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	0	-6.07	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	10	-5.38	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	20	-8.90	-0.011	PASS
Band5	5	20525	25	#0	16QAM	NV	30	-5.48	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	40	-5.51	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	50	-8.38	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	-5.02	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-4.95	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-9.78	-0.012	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-5.64	-0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-3.79	-0.004	PASS
Band5	5	20625	25	#0	QPSK	NV	20	-2.26	-0.003	PASS
Band5	5	20625	25	#0	QPSK	NV	30	-4.19	-0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	40	-4.03	-0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	50	-0.43	-0.001	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-4.42	-0.005	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	-9.86	-0.012	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	-7.81	-0.009	PASS
Band5	5	20625	25	#0	16QAM	NV	0	-8.23	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-6.14	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	20	-1.95	-0.002	PASS
Band5	5	20625	25	#0	16QAM	NV	30	-0.64	-0.001	PASS
Band5	5	20625	25	#0	16QAM	NV	40	-2.23	-0.003	PASS
Band5	5	20625	25	#0	16QAM	NV	50	-2.56	-0.003	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-7.25	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-5.49	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-6.51	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-6.22	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-6.82	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-5.52	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-5.25	-0.006	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-7.94	-0.010	PASS
Band5	10	20450	50	#0	QPSK	NV	50	-7.54	-0.009	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	-4.41	-0.005	PASS

Band5	10	20450	50	#0	16QAM	NV	-20	-4.81	-0.006	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	-5.87	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	0	-3.88	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	10	-8.88	-0.011	PASS
Band5	10	20450	50	#0	16QAM	NV	20	-6.54	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	30	-8.64	-0.010	PASS
Band5	10	20450	50	#0	16QAM	NV	40	-7.31	-0.009	PASS
Band5	10	20450	50	#0	16QAM	NV	50	-5.97	-0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-9.77	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-3.65	-0.004	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-3.55	-0.004	PASS
Band5	10	20525	50	#0	QPSK	NV	0	-7.20	-0.009	PASS
Band5	10	20525	50	#0	QPSK	NV	10	-1.77	-0.002	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-4.25	-0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-2.79	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-2.60	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-2.78	-0.003	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	-7.18	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	-3.28	-0.004	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	-6.54	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	0	-5.09	-0.006	PASS
Band5	10	20525	50	#0	16QAM	NV	10	-5.75	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	20	-6.48	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	30	-5.81	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	40	-4.78	-0.006	PASS
Band5	10	20525	50	#0	16QAM	NV	50	-6.22	-0.007	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-10.23	-0.012	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-7.58	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-6.24	-0.007	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-7.18	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	10	-7.97	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	20	-9.20	-0.011	PASS
Band5	10	20600	50	#0	QPSK	NV	30	-6.12	-0.007	PASS
Band5	10	20600	50	#0	QPSK	NV	40	-7.41	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	50	-8.67	-0.010	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	-6.02	-0.007	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	-4.73	-0.006	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	-10.19	-0.012	PASS
Band5	10	20600	50	#0	16QAM	NV	0	-6.35	-0.008	PASS
Band5	10	20600	50	#0	16QAM	NV	10	-4.72	-0.006	PASS
Band5	10	20600	50	#0	16QAM	NV	20	-7.45	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	30	-11.19	-0.013	PASS

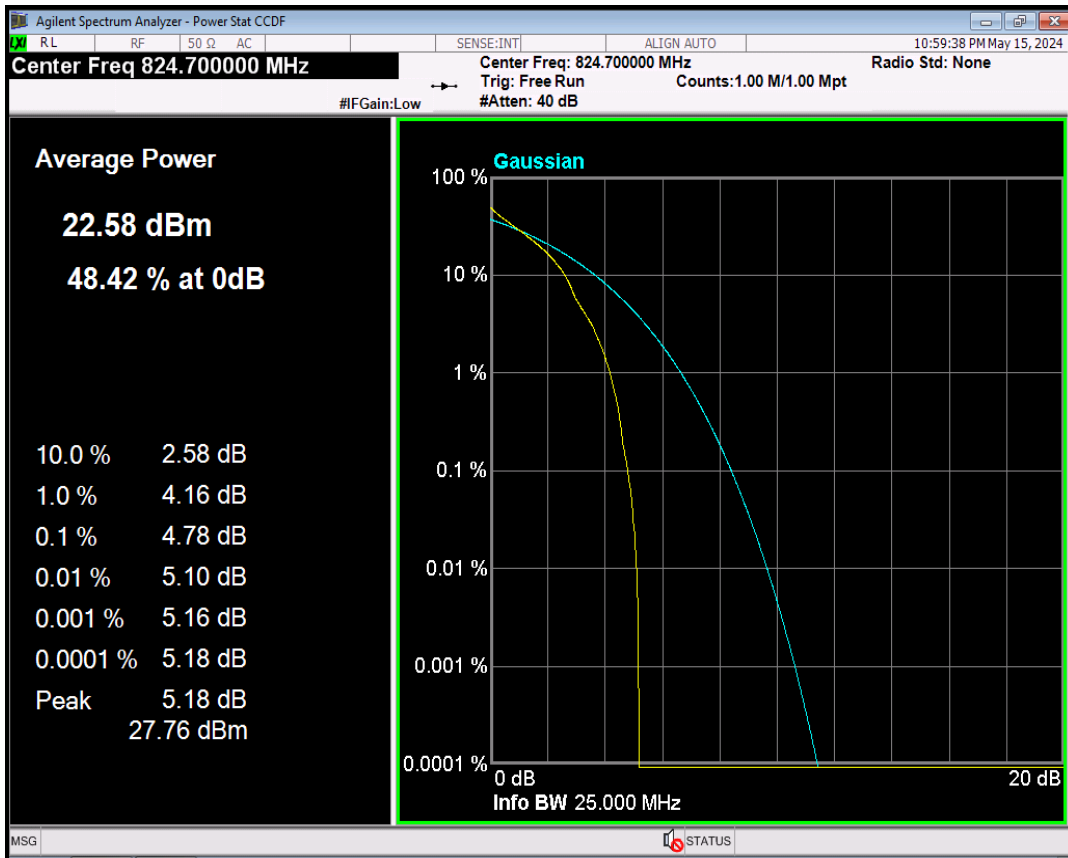
Band5	10	20600	50	#0	16QAM	NV	40	-5.19	-0.006	PASS
Band5	10	20600	50	#0	16QAM	NV	50	-10.11	-0.012	PASS



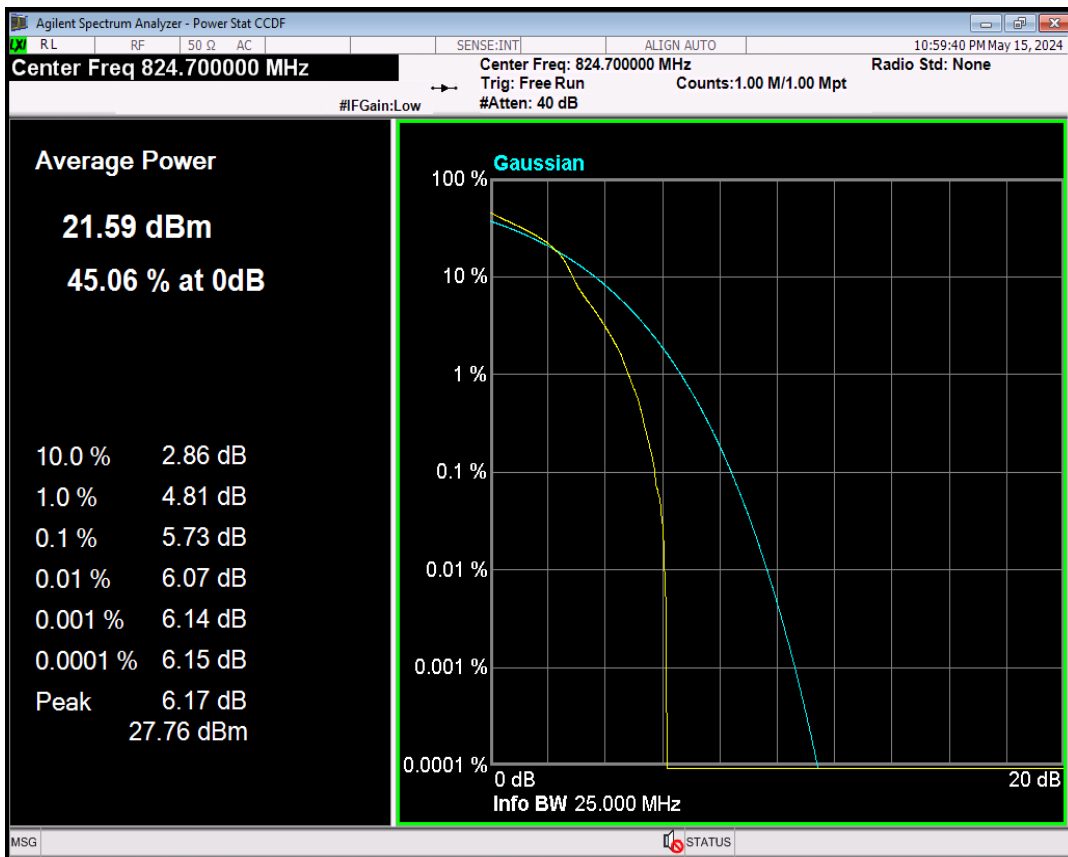
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	4.78	13	PASS
Band5	1.4	20407	1	#0	16QAM	5.73	13	PASS
Band5	1.4	20525	1	#0	QPSK	4.87	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.60	13	PASS
Band5	1.4	20643	1	#0	QPSK	2.39	13	PASS
Band5	1.4	20643	1	#0	16QAM	3.42	13	PASS
Band5	3	20415	1	#0	QPSK	4.72	13	PASS
Band5	3	20415	1	#0	16QAM	5.64	13	PASS
Band5	3	20525	1	#0	QPSK	4.85	13	PASS
Band5	3	20525	1	#0	16QAM	5.54	13	PASS
Band5	3	20635	1	#0	QPSK	4.29	13	PASS
Band5	3	20635	1	#0	16QAM	5.18	13	PASS
Band5	5	20425	1	#0	QPSK	5.01	13	PASS
Band5	5	20425	1	#0	16QAM	5.58	13	PASS
Band5	5	20525	1	#0	QPSK	4.77	13	PASS
Band5	5	20525	1	#0	16QAM	5.39	13	PASS
Band5	5	20625	1	#0	QPSK	4.14	13	PASS
Band5	5	20625	1	#0	16QAM	4.81	13	PASS
Band5	10	20450	1	#0	QPSK	4.44	13	PASS
Band5	10	20450	1	#0	16QAM	5.28	13	PASS
Band5	10	20525	1	#0	QPSK	3.98	13	PASS
Band5	10	20525	1	#0	16QAM	4.84	13	PASS
Band5	10	20600	1	#0	QPSK	3.01	13	PASS
Band5	10	20600	1	#0	16QAM	4.05	13	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0

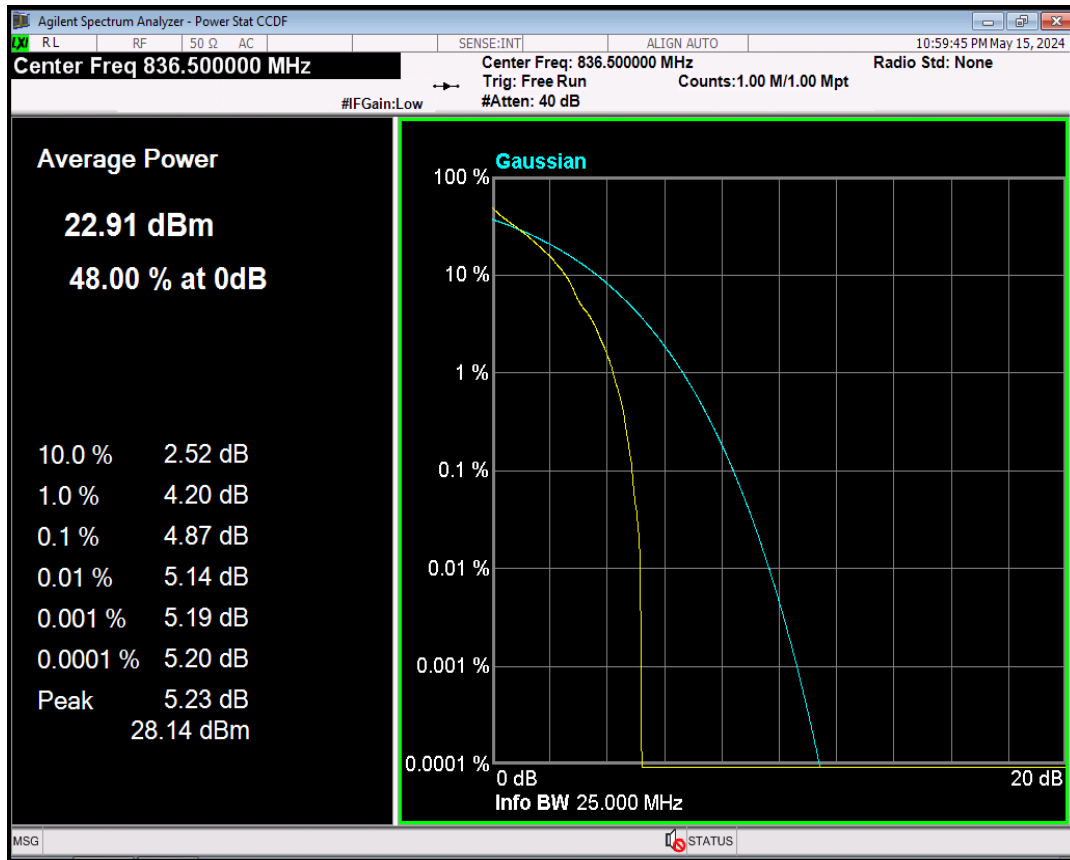


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0

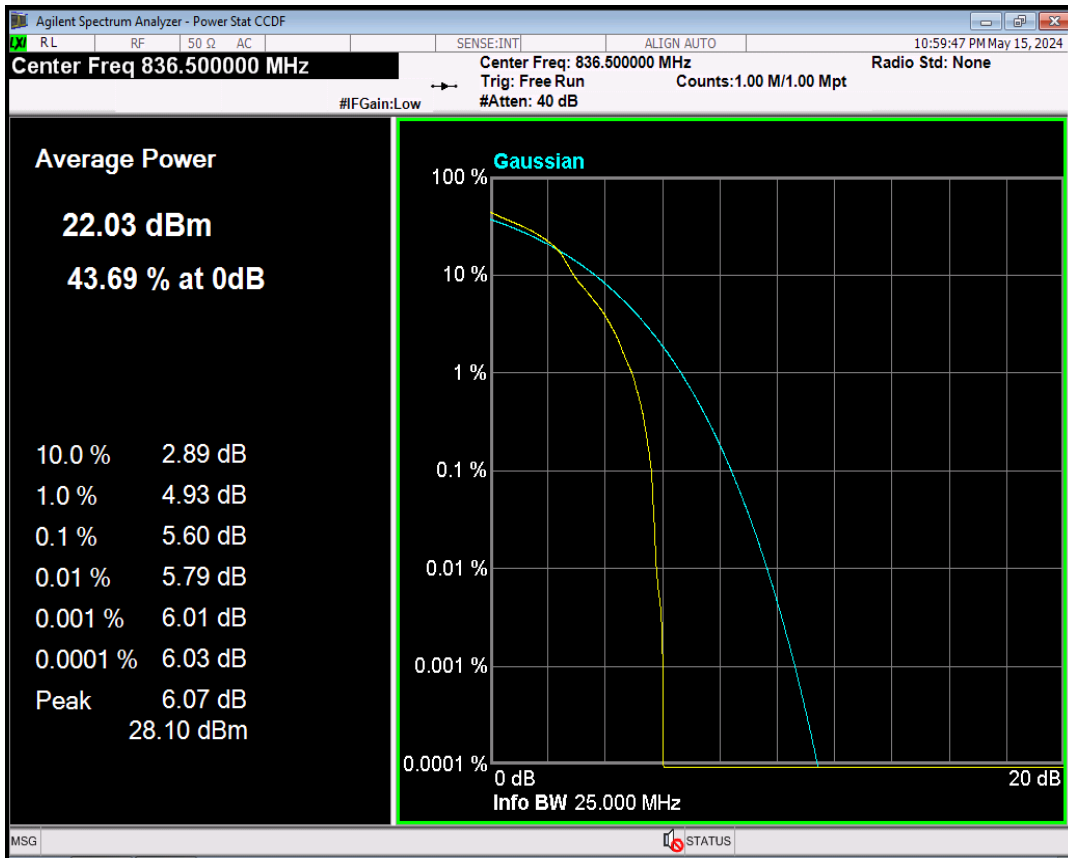




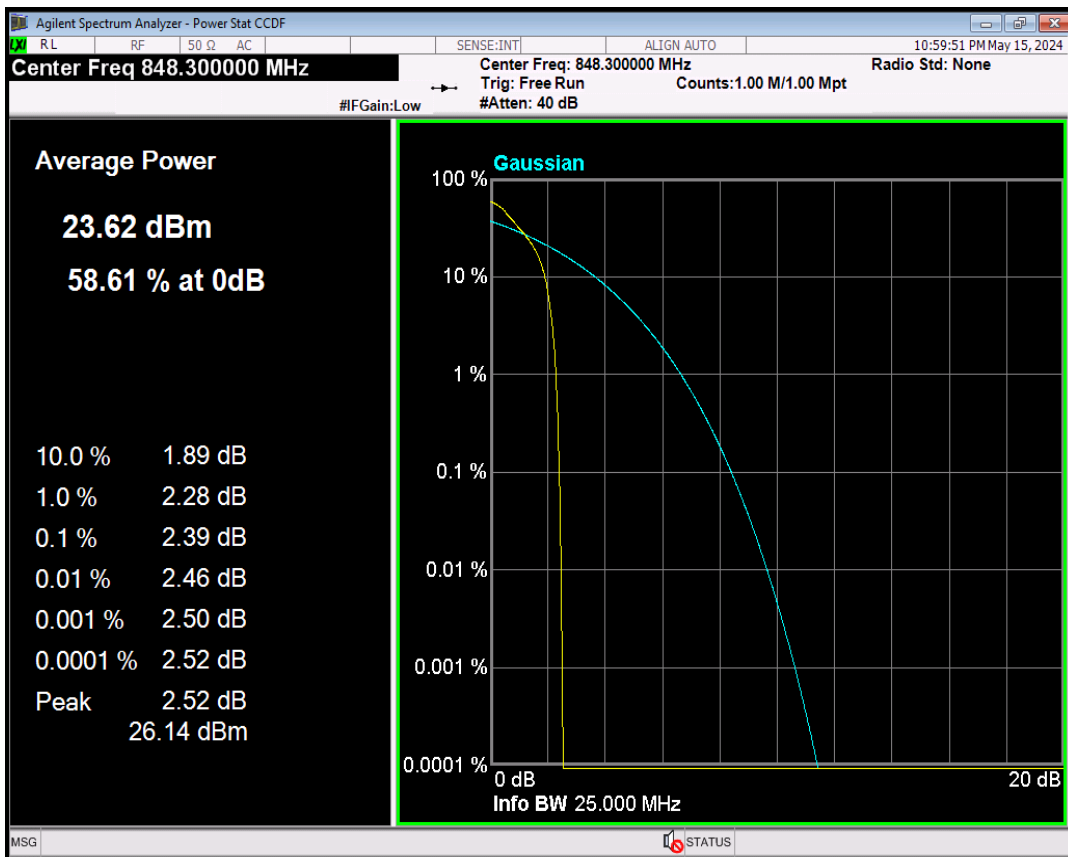
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



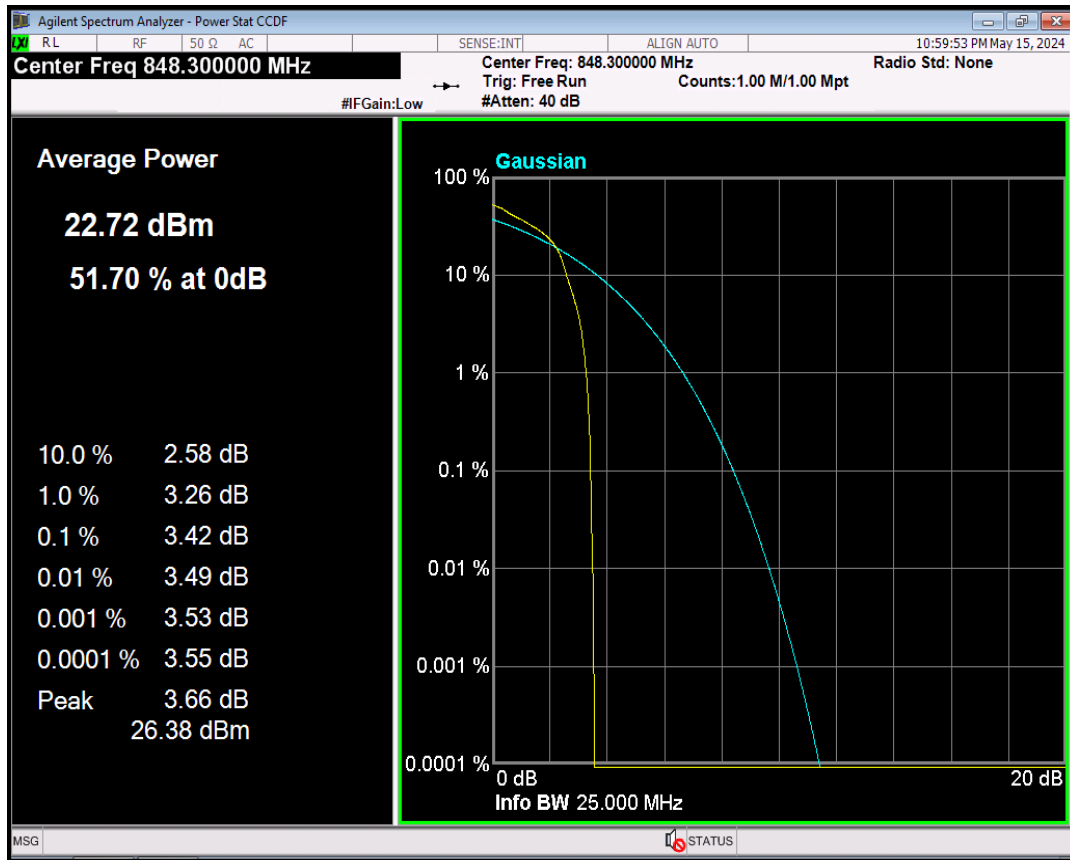
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



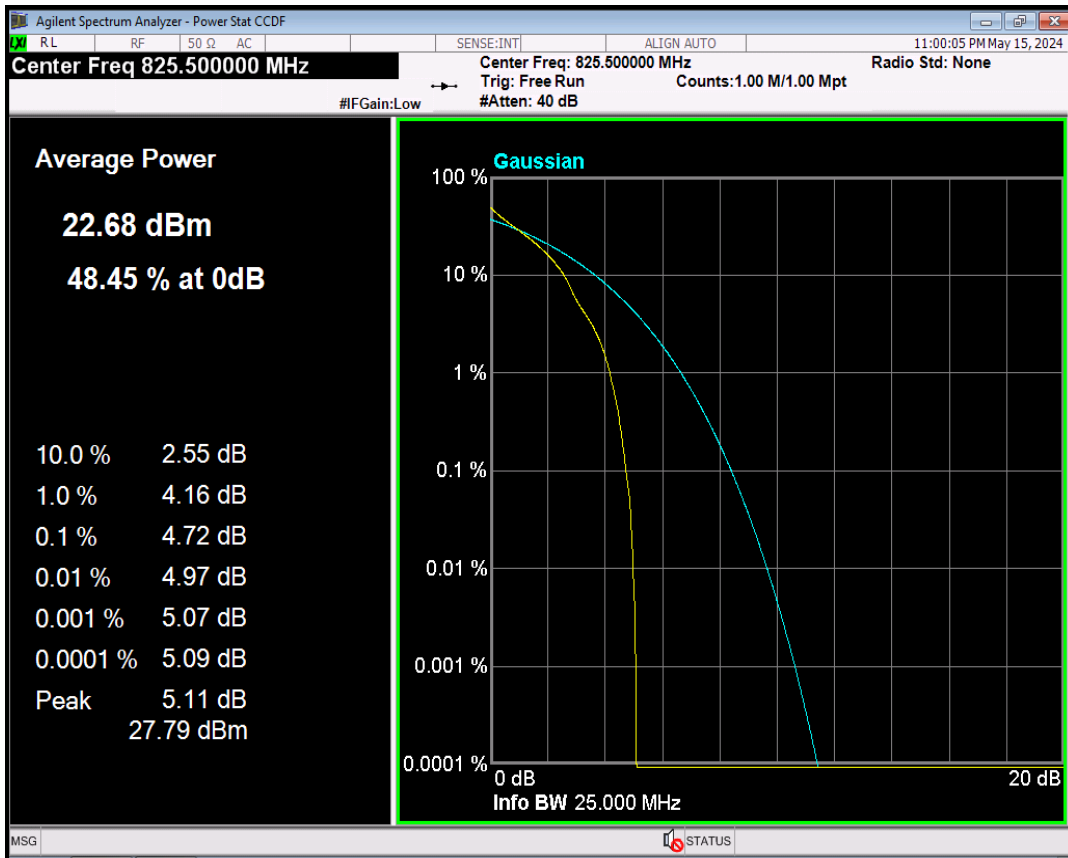
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



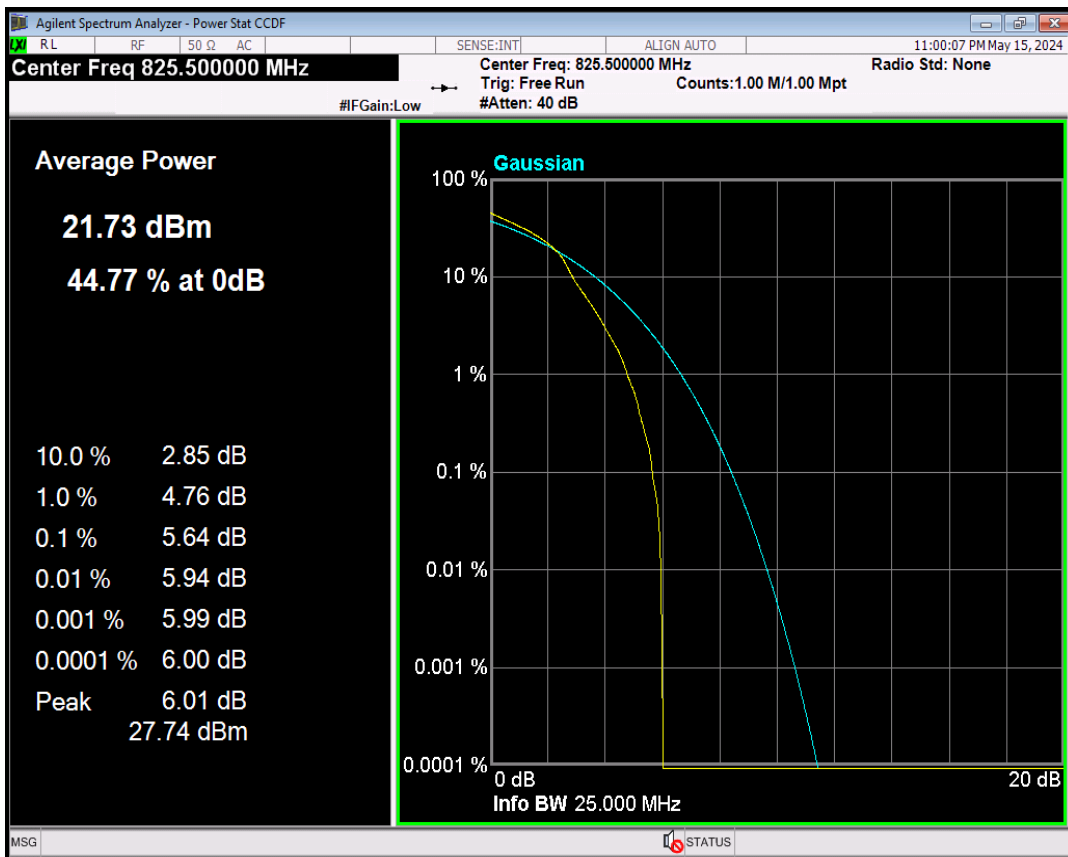
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



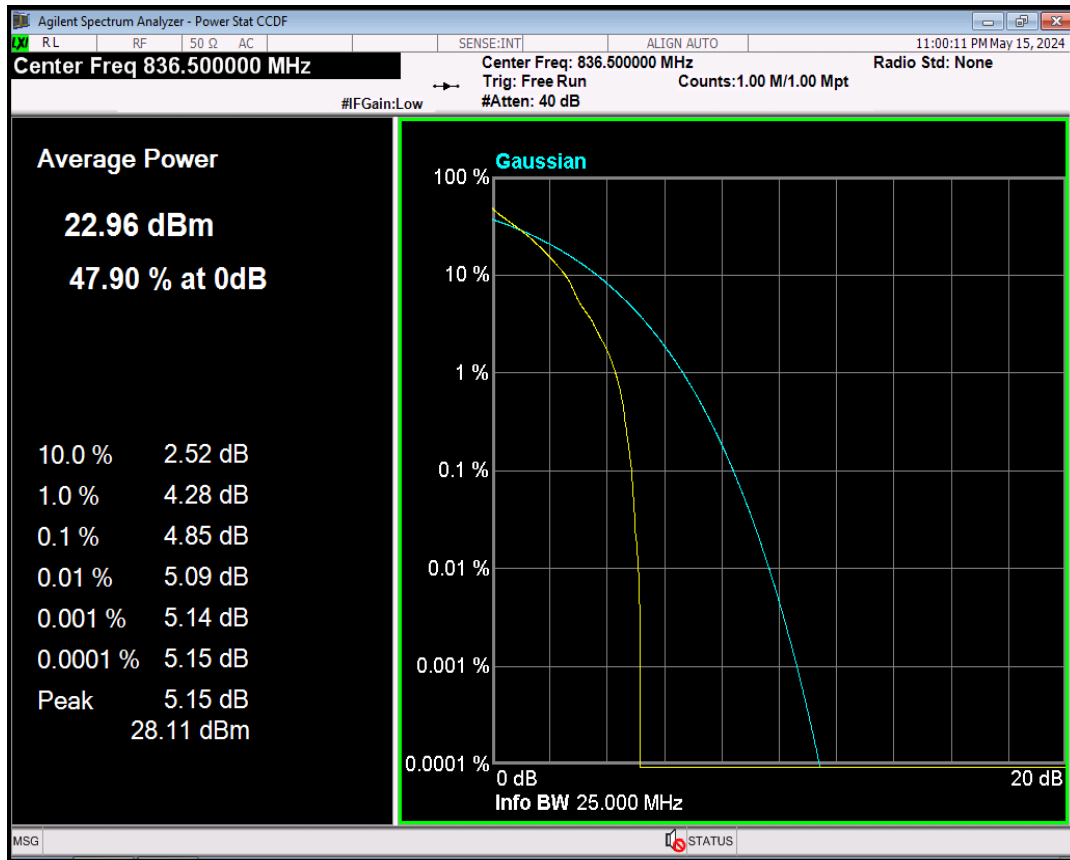
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



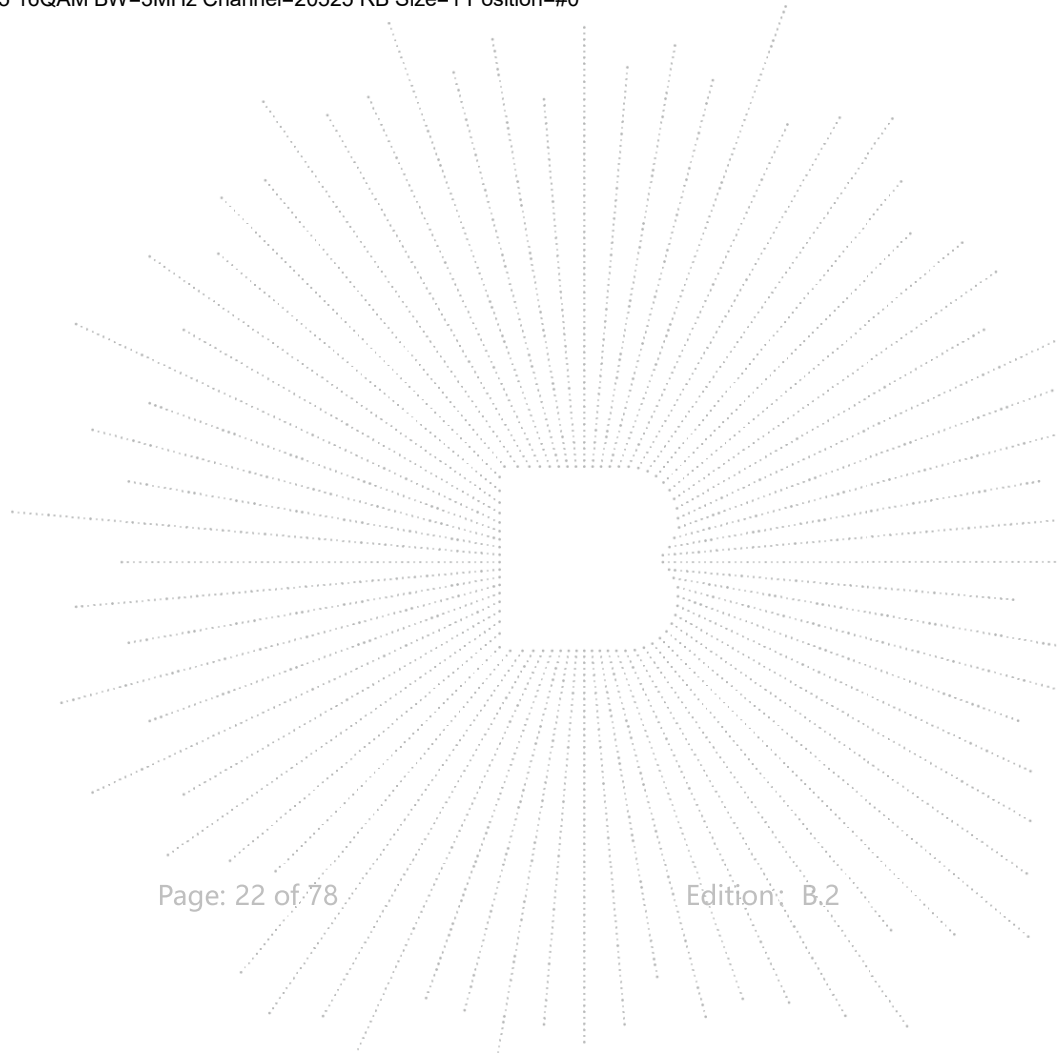
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

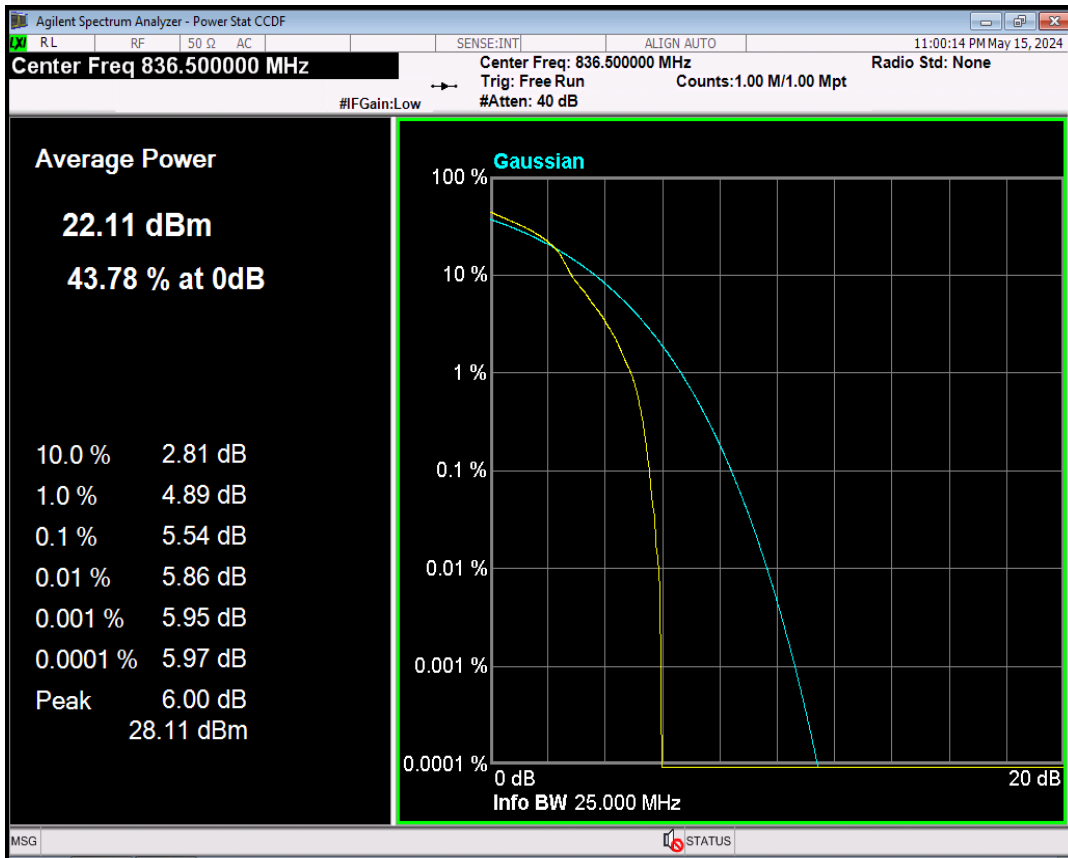


Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

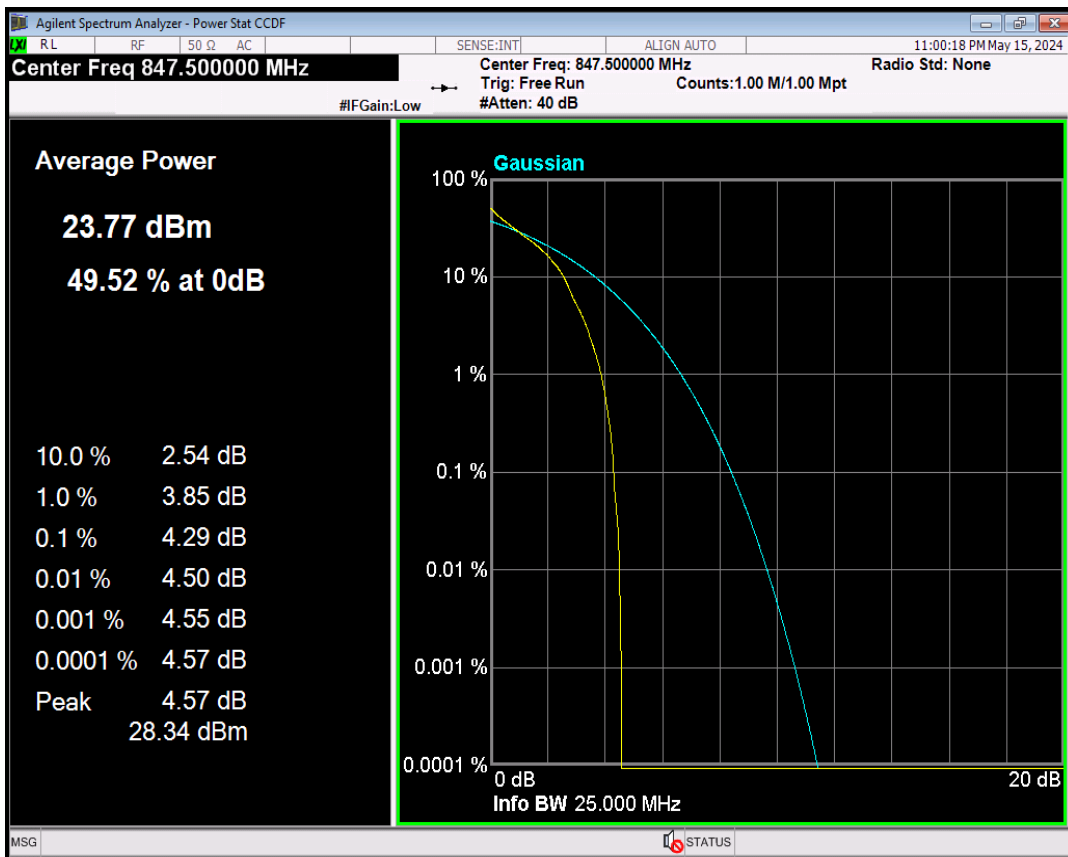


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0

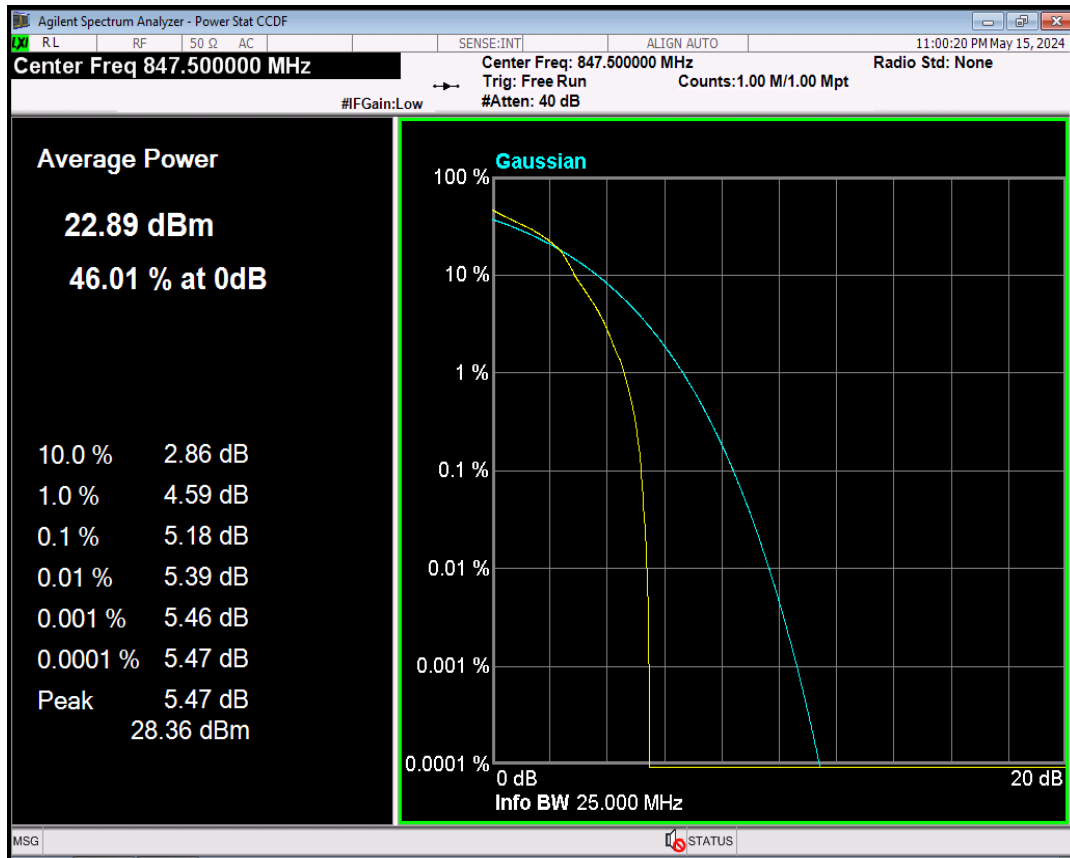




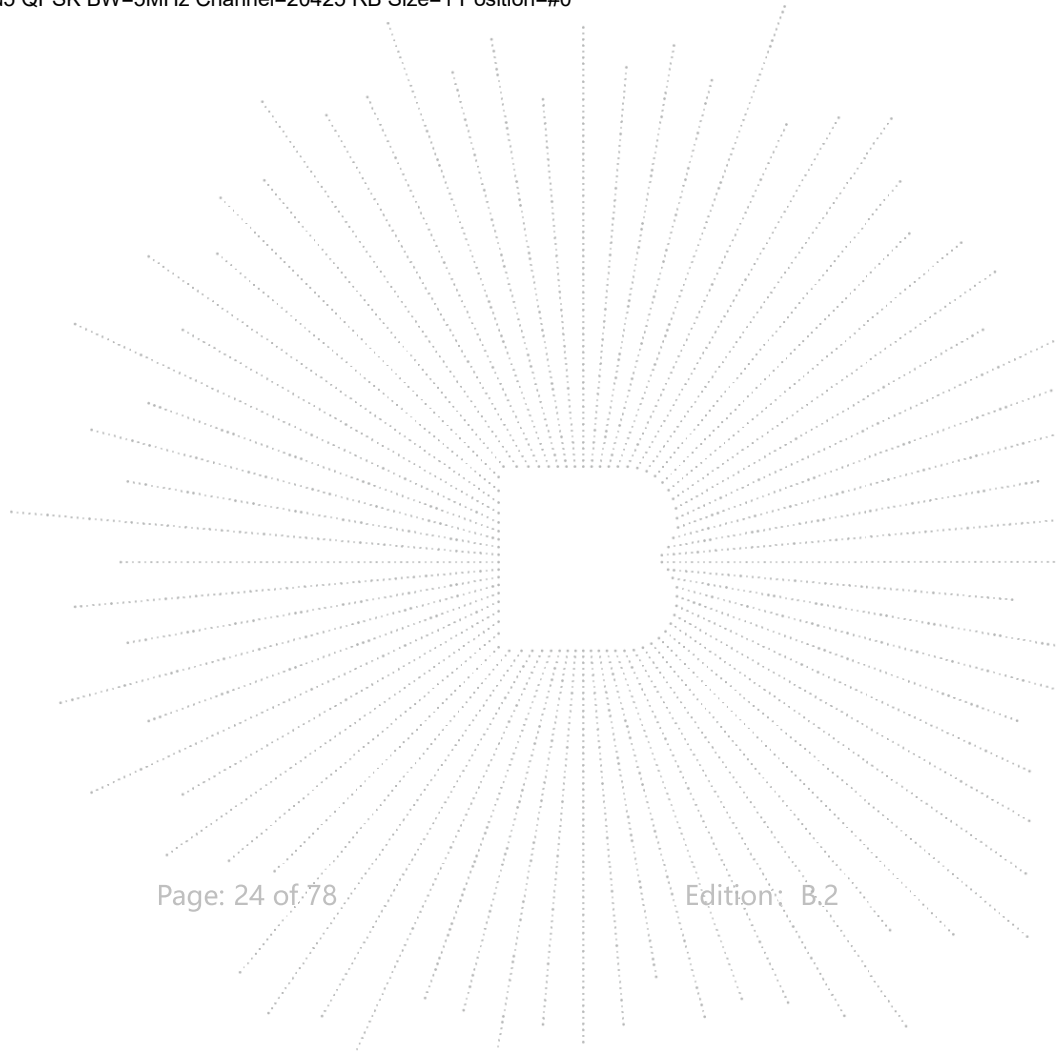
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0

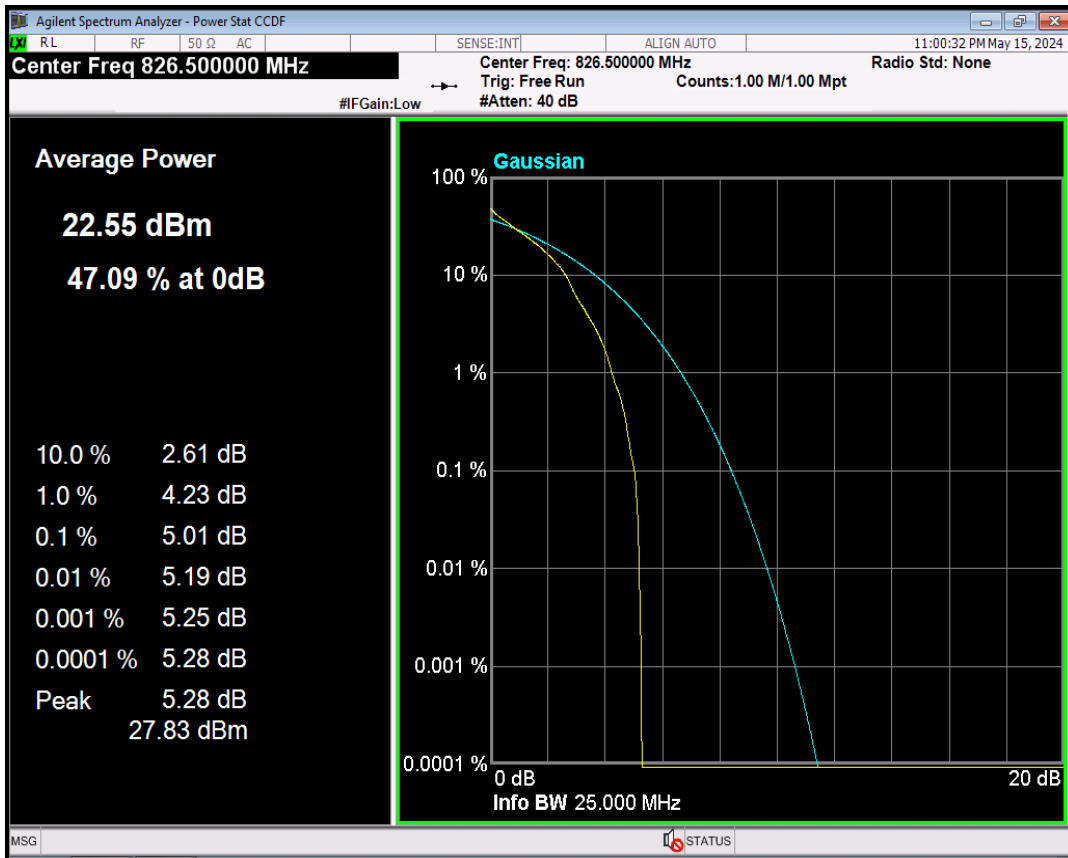


Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

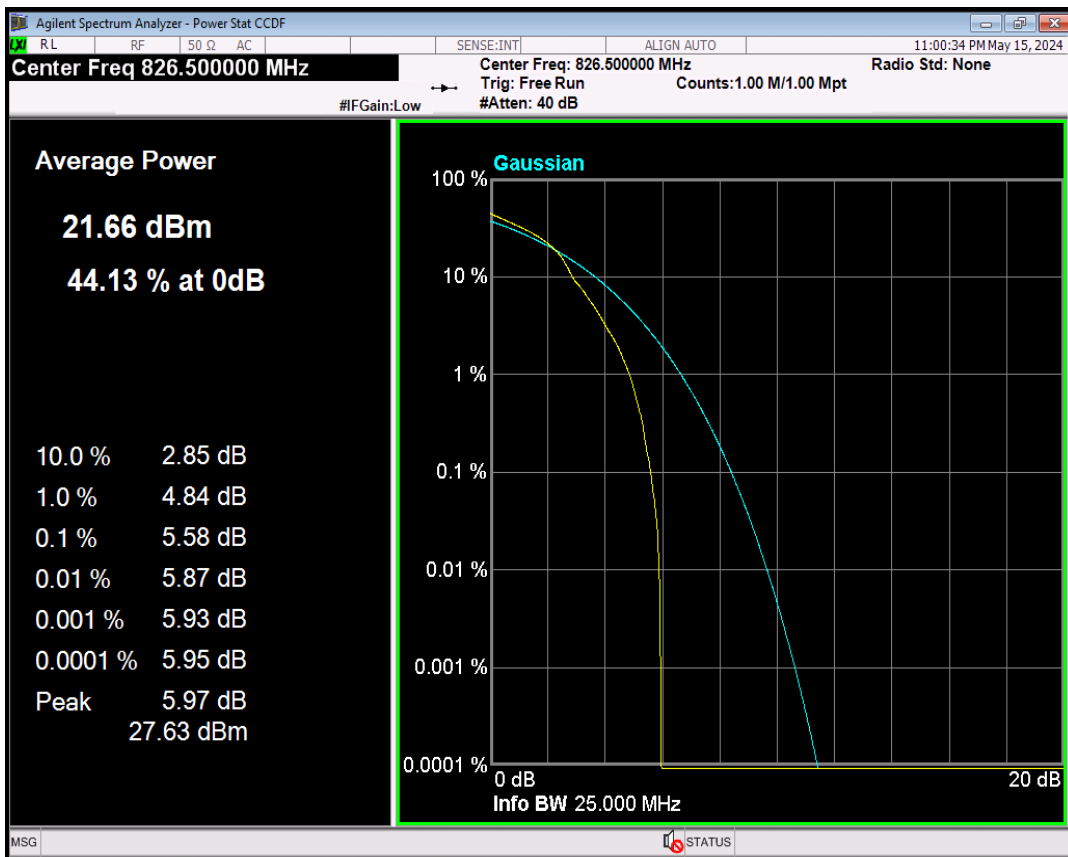


Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0

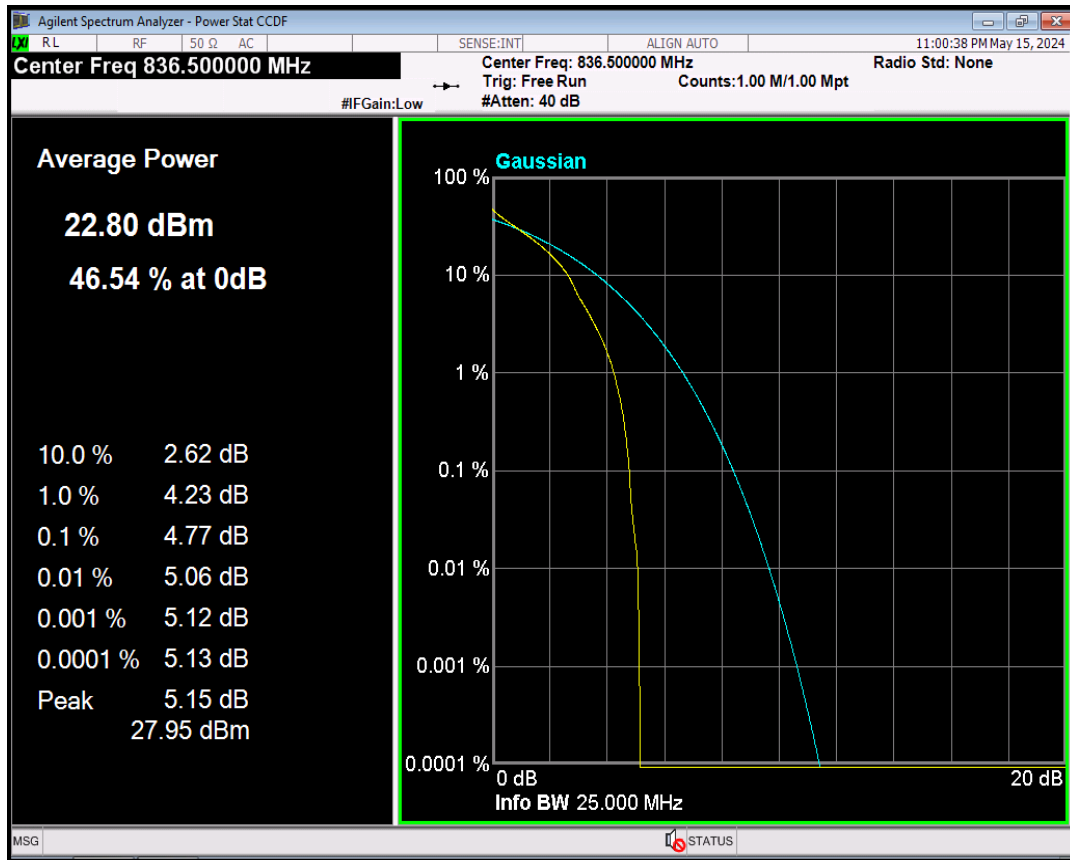




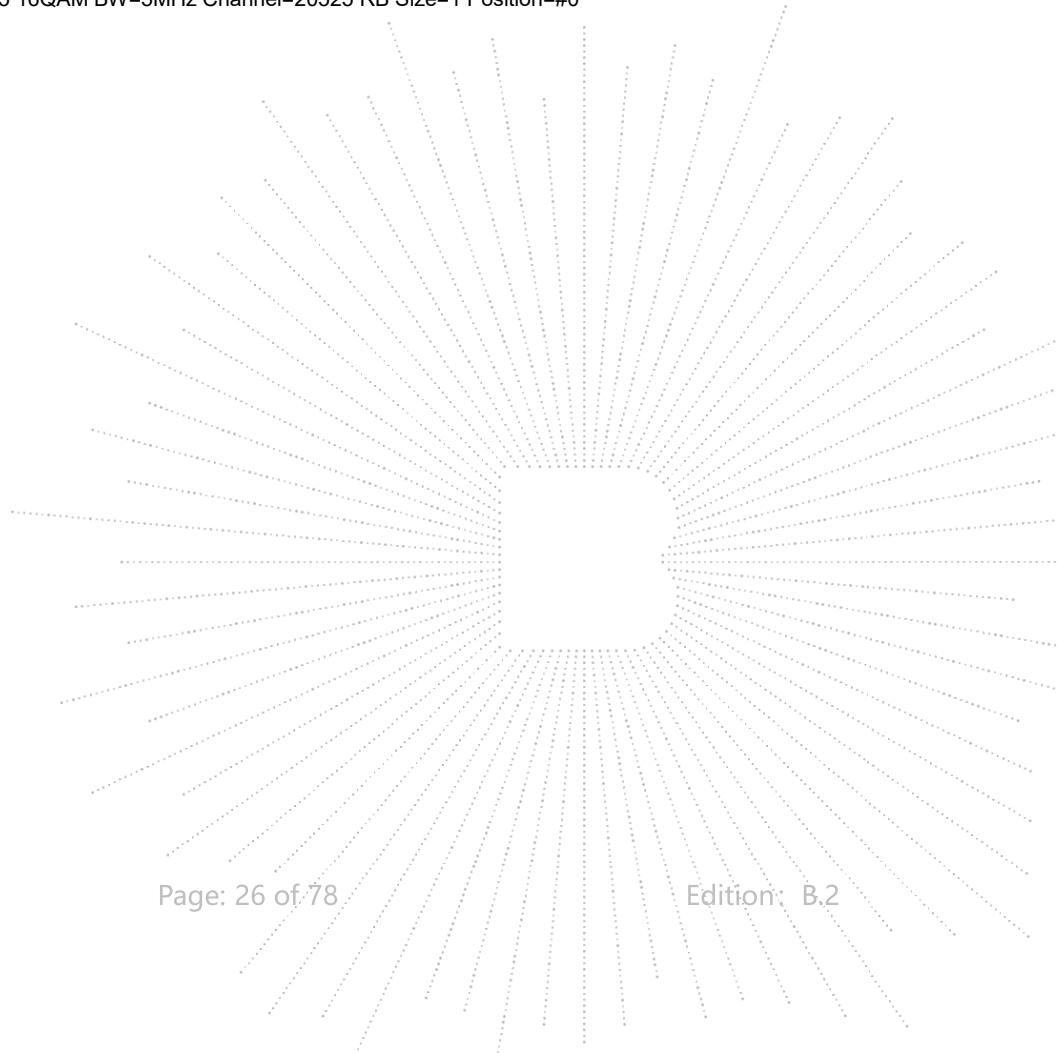
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

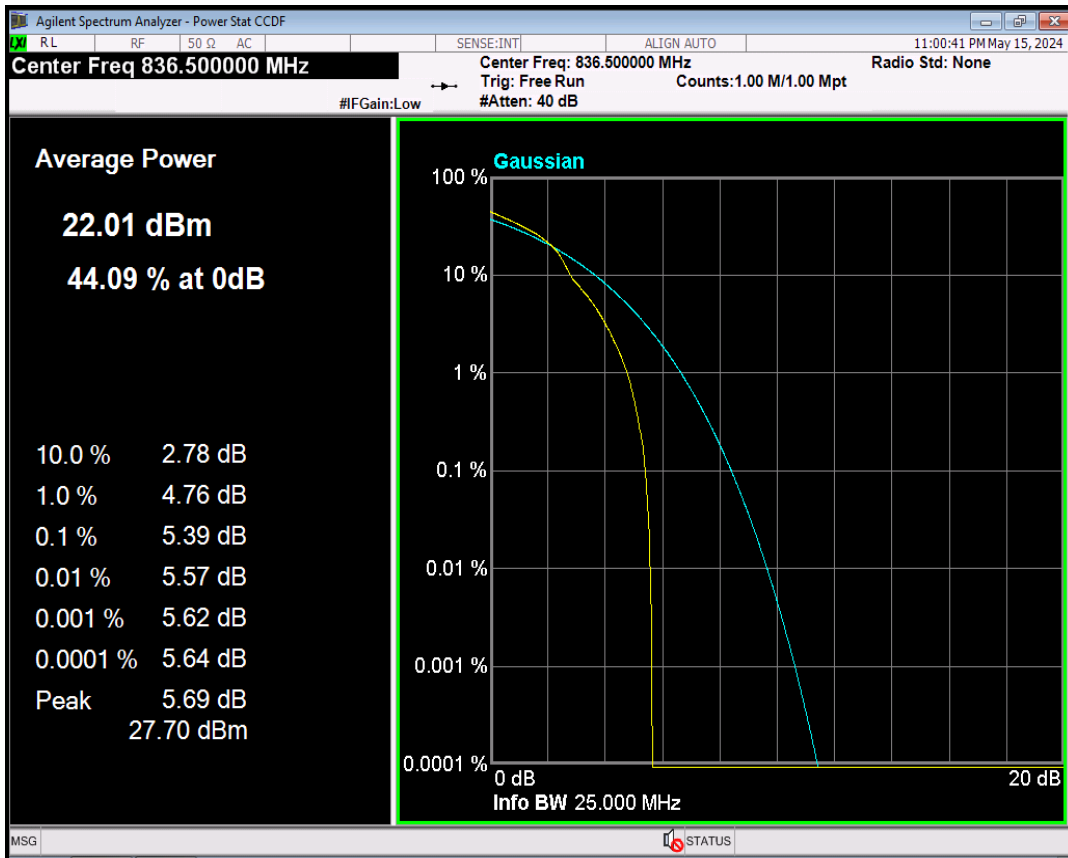


Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

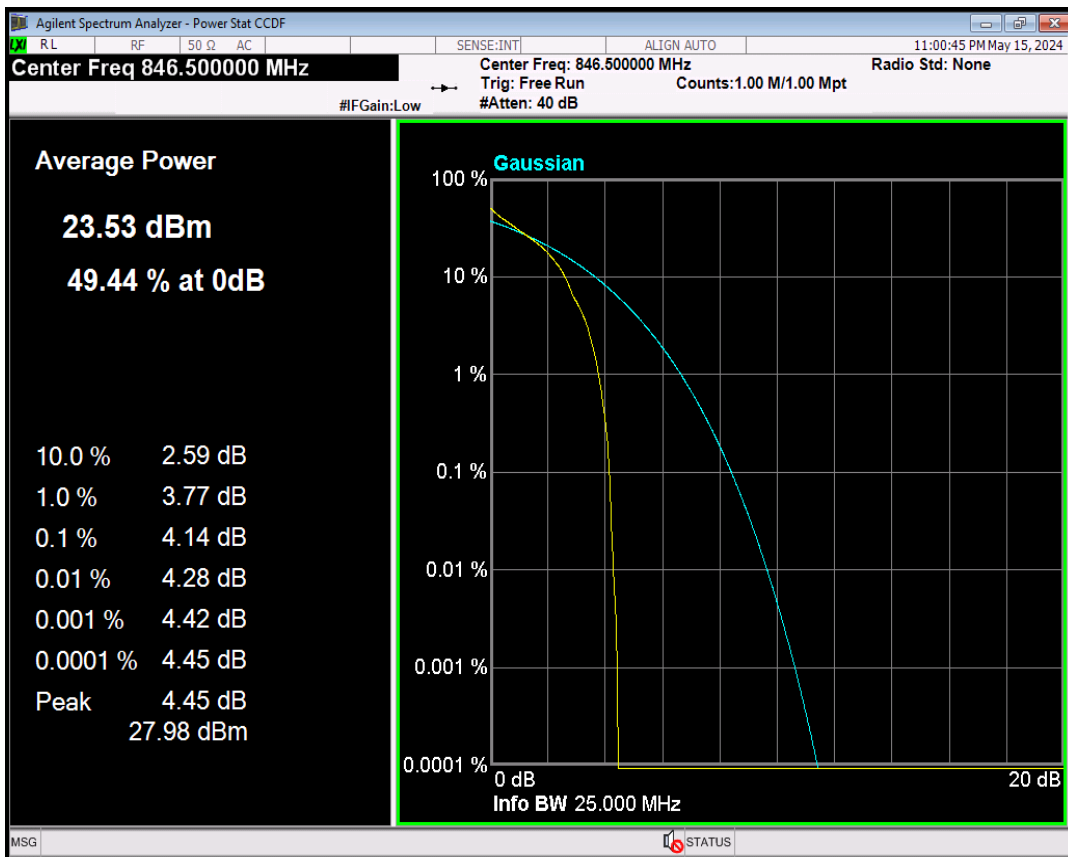


Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

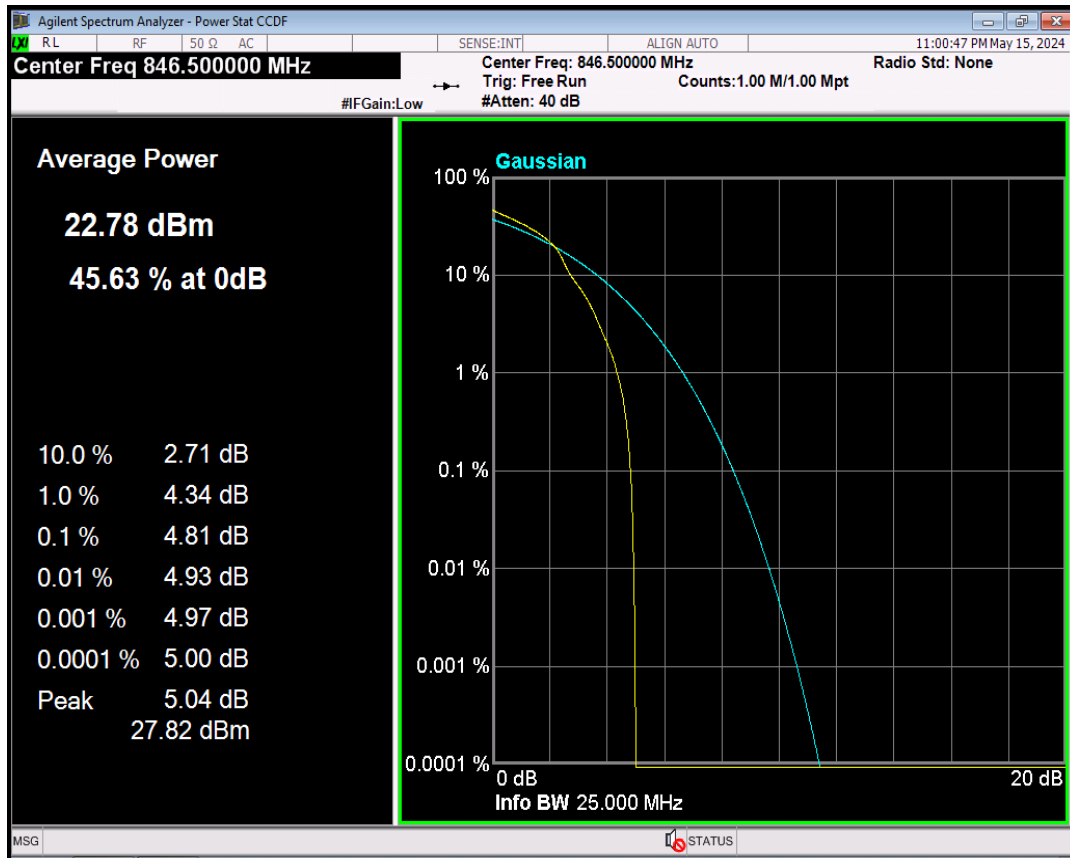




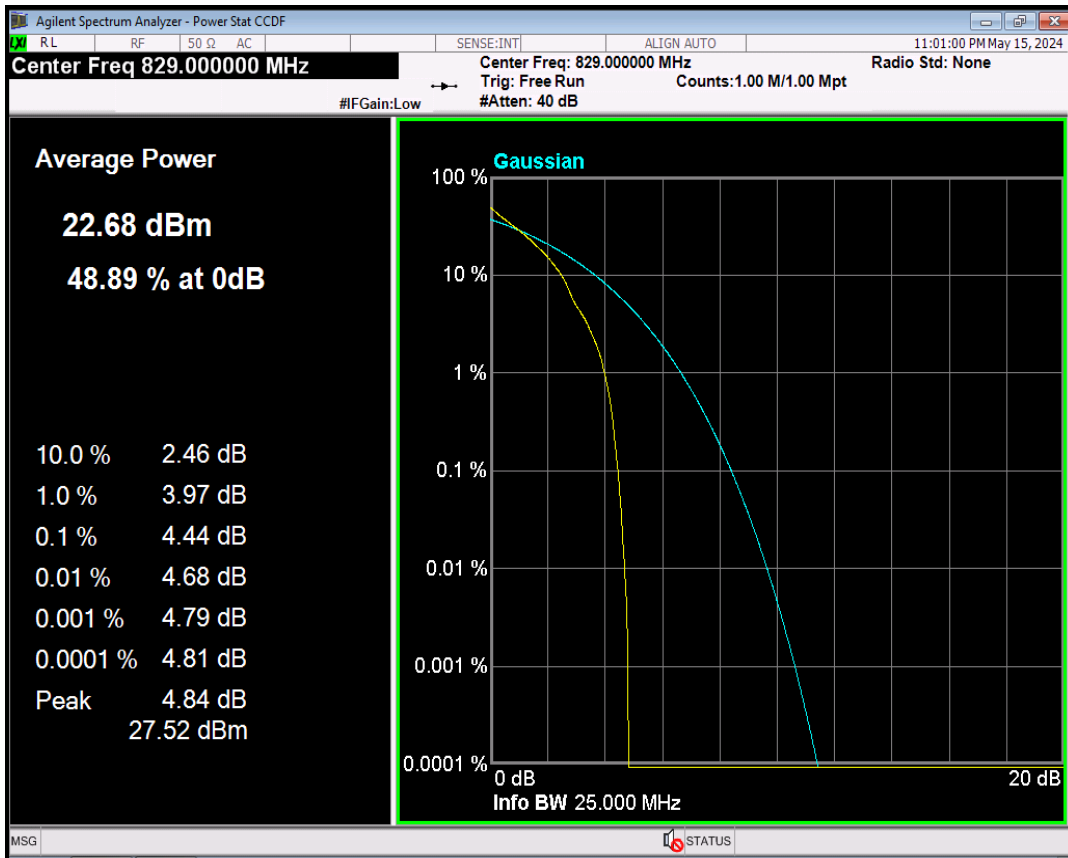
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



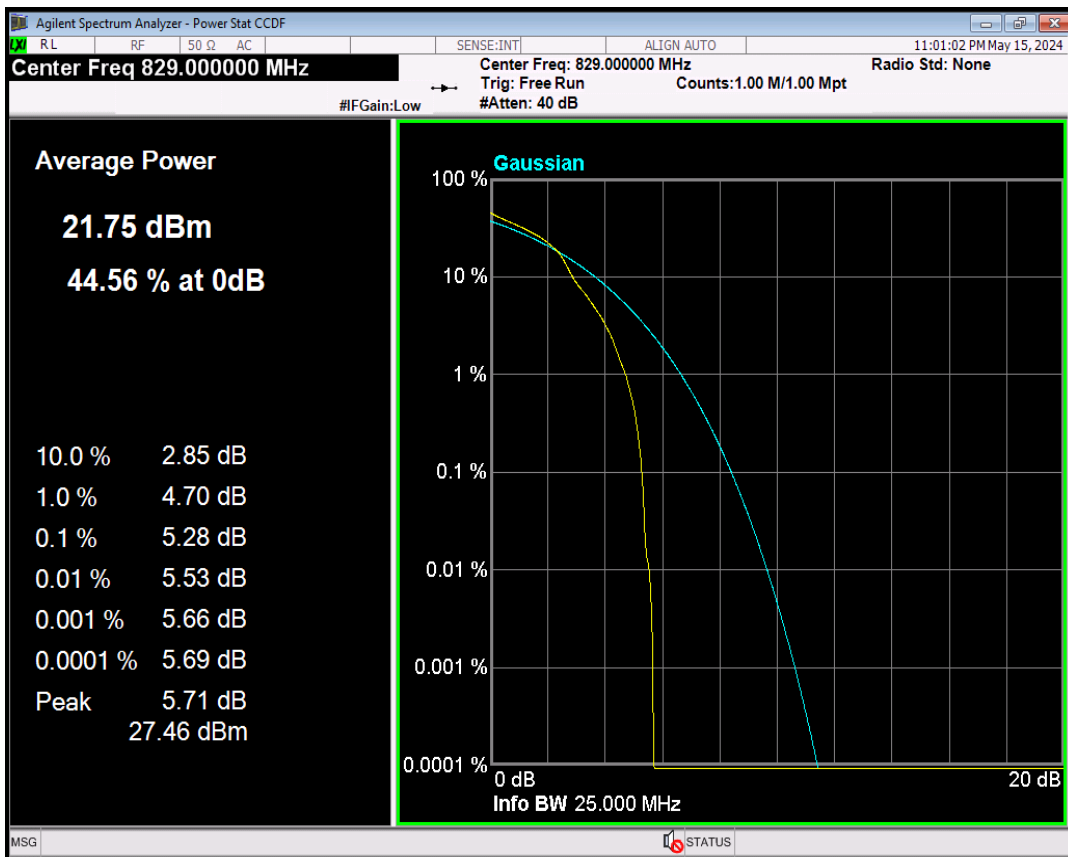
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



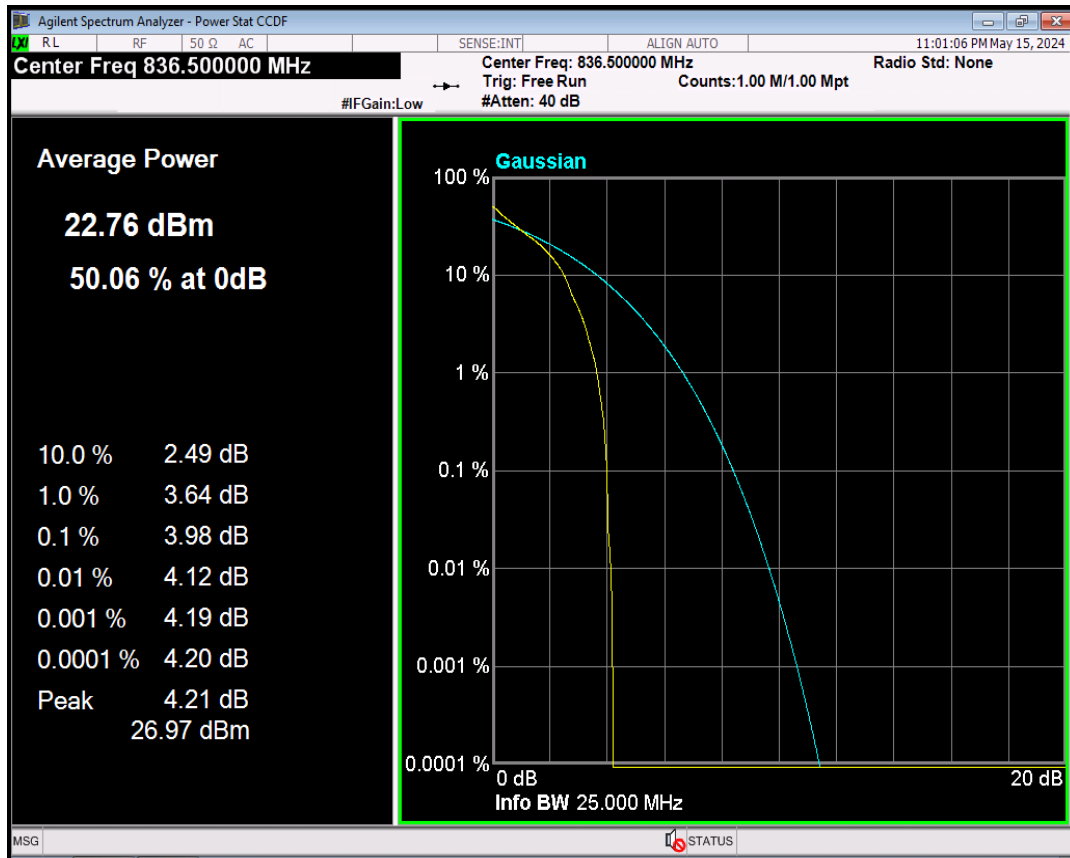
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



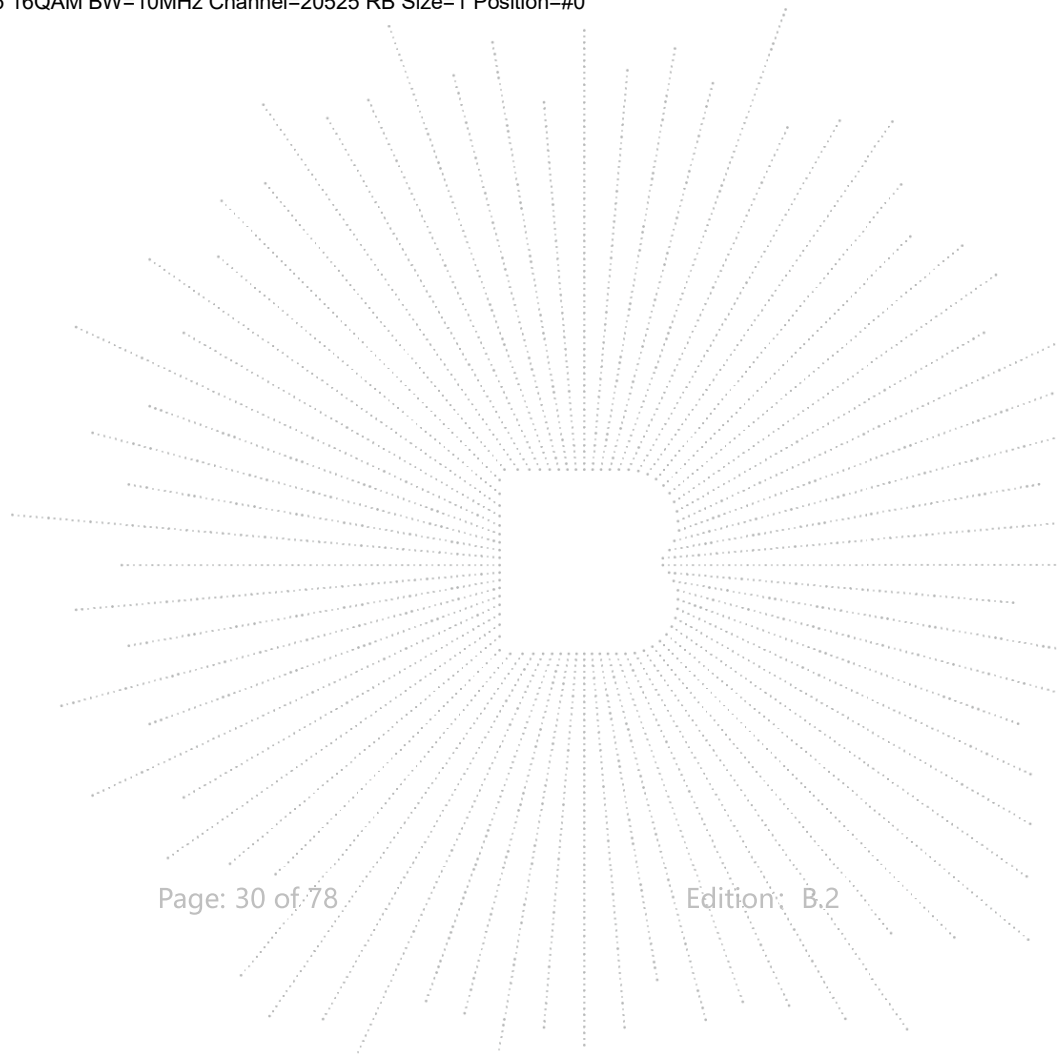
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

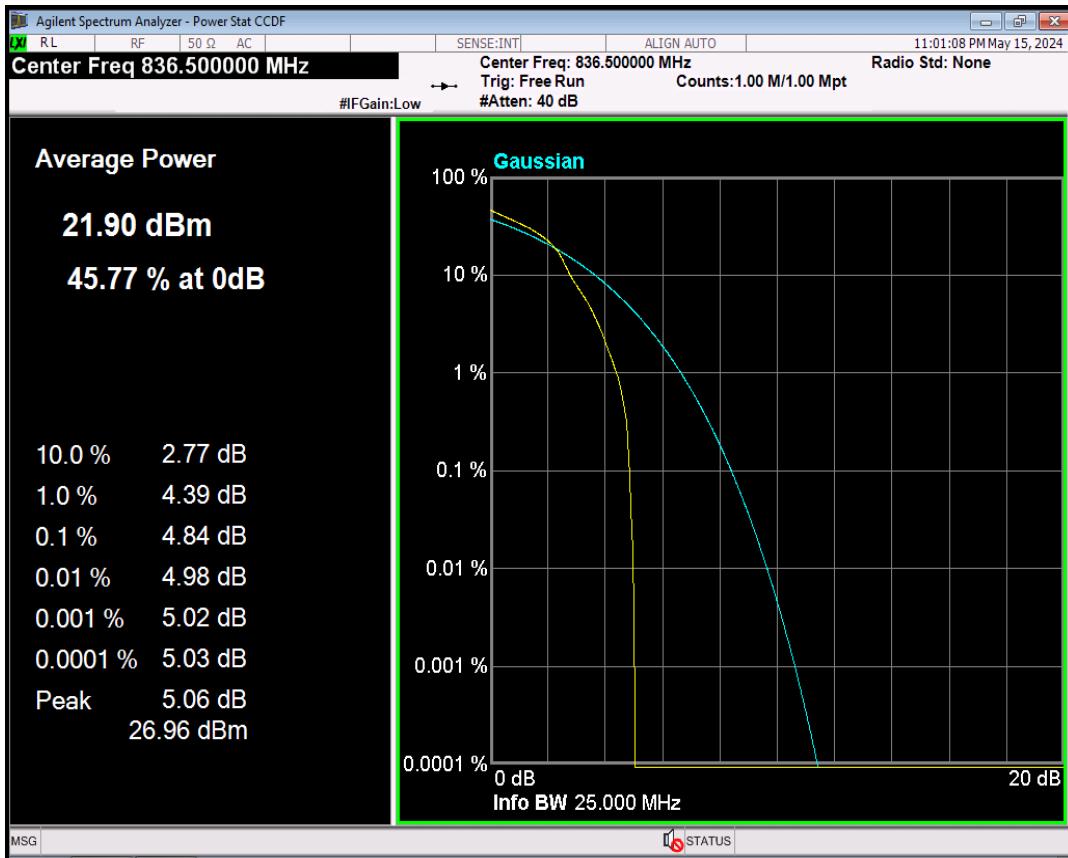


Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

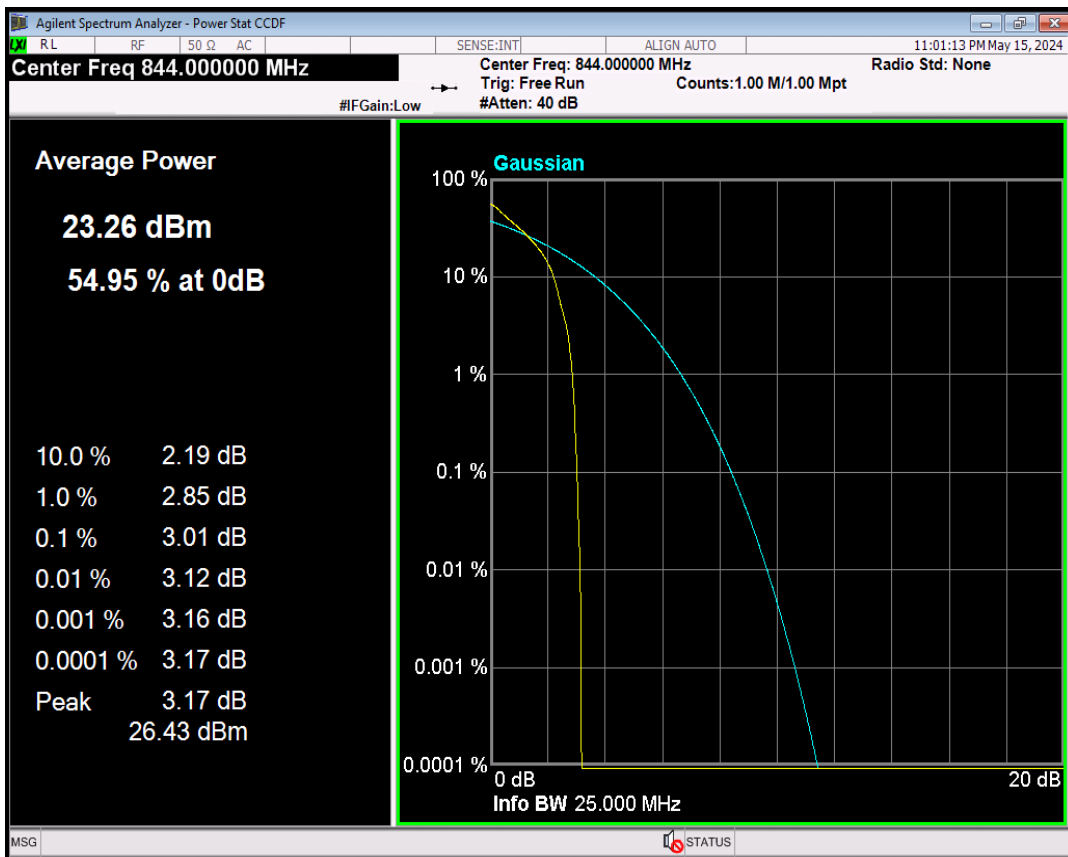


Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0

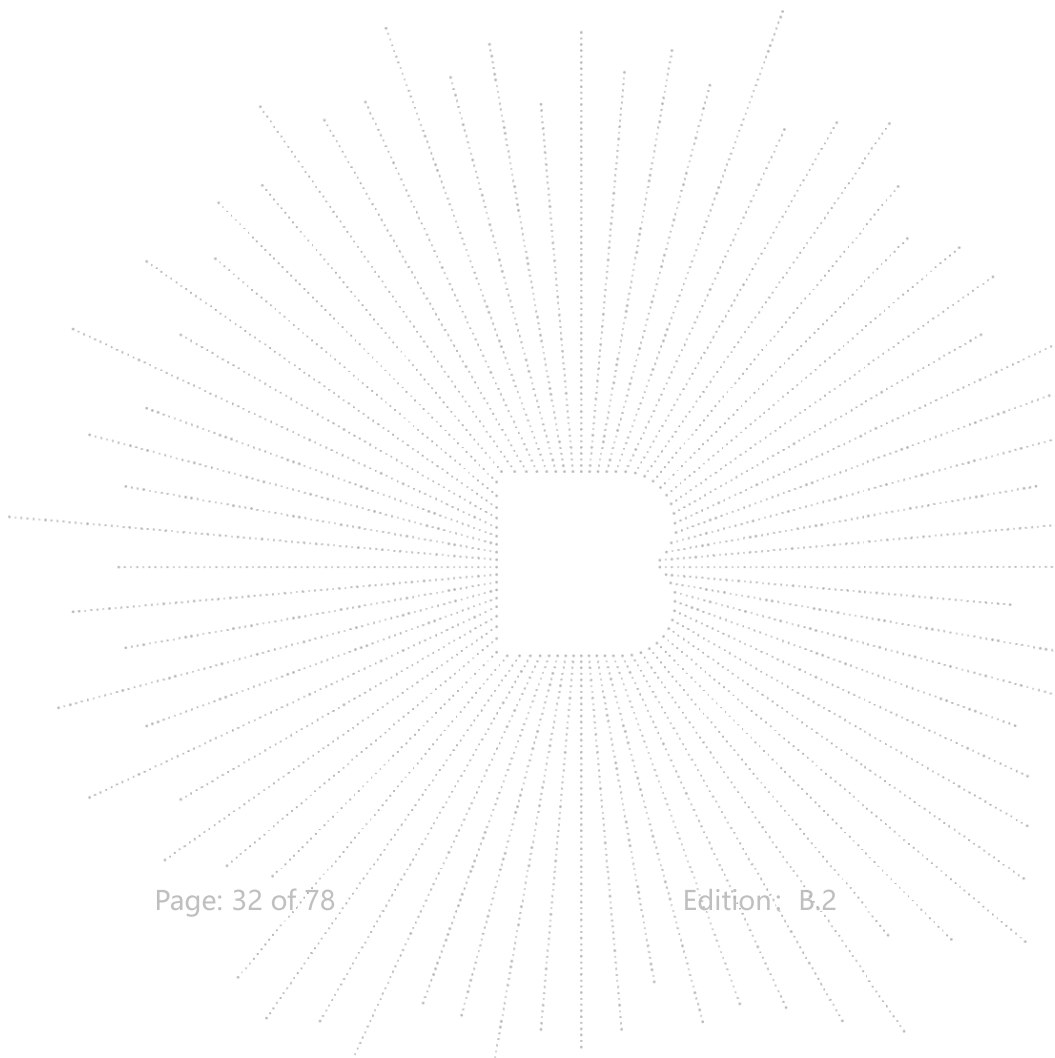
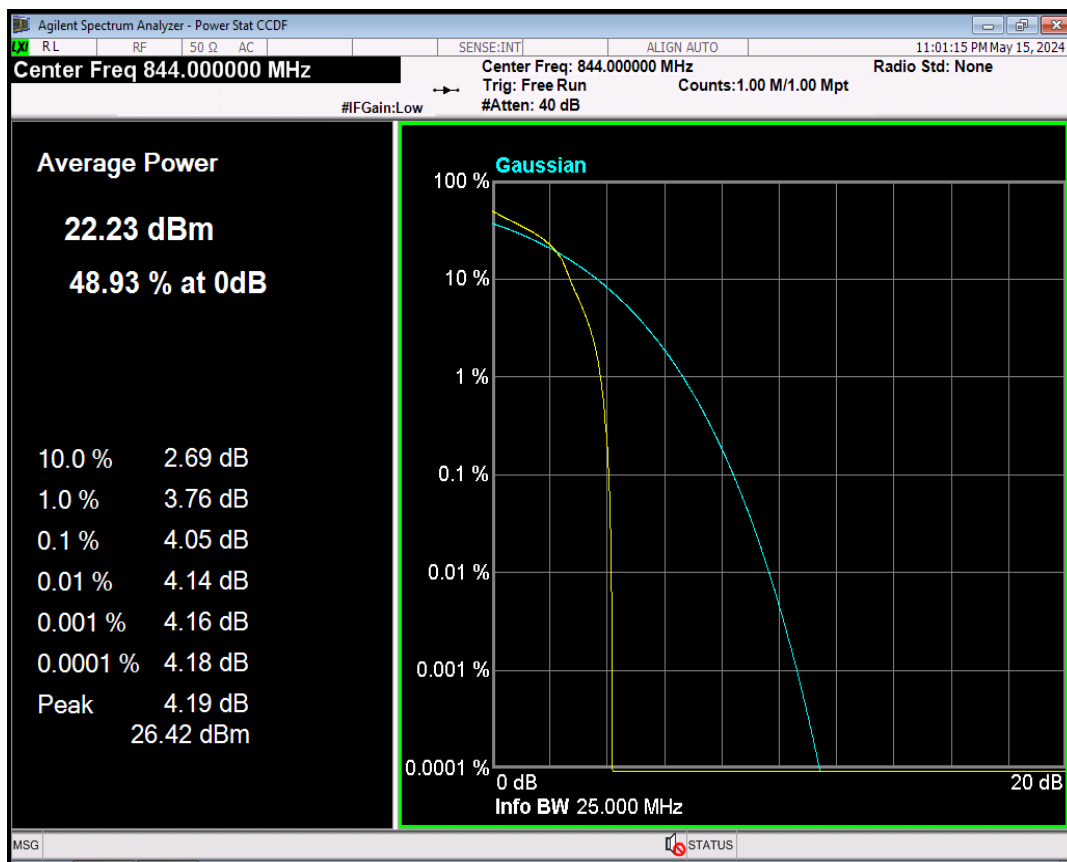




Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



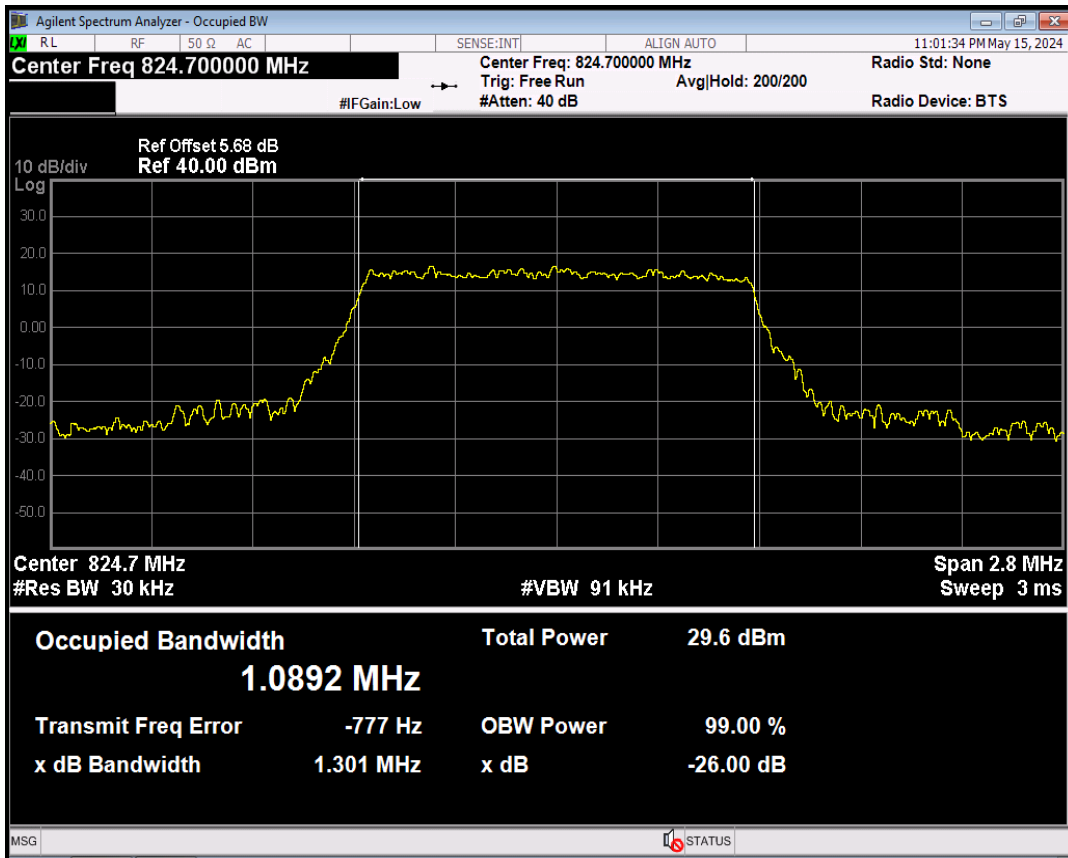
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0



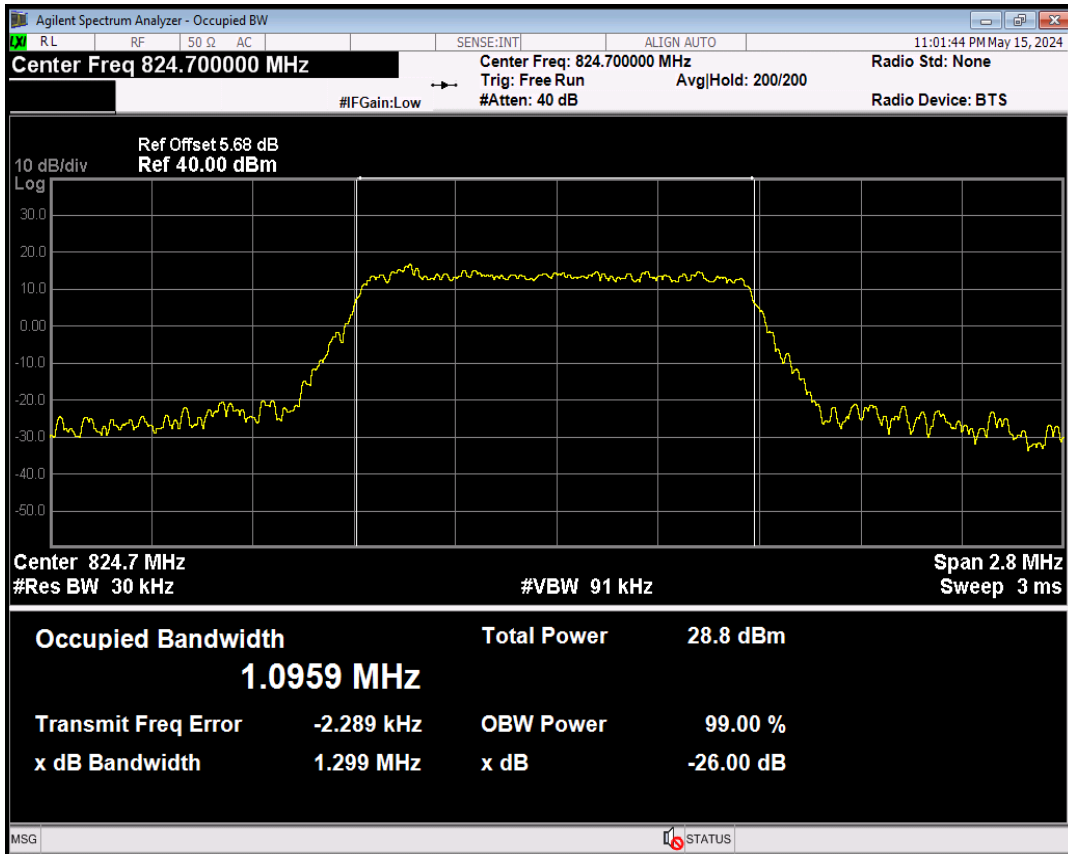
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.089	1.301	PASS
Band5	1.4	20407	6	#0	16QAM	1.096	1.299	PASS
Band5	1.4	20525	6	#0	QPSK	1.096	1.286	PASS
Band5	1.4	20525	6	#0	16QAM	1.086	1.269	PASS
Band5	1.4	20643	6	#0	QPSK	1.123	2.008	PASS
Band5	1.4	20643	6	#0	16QAM	1.108	1.704	PASS
Band5	3	20415	15	#0	QPSK	2.695	2.926	PASS
Band5	3	20415	15	#0	16QAM	2.687	2.927	PASS
Band5	3	20525	15	#0	QPSK	2.686	2.899	PASS
Band5	3	20525	15	#0	16QAM	2.683	2.912	PASS
Band5	3	20635	15	#0	QPSK	2.705	2.928	PASS
Band5	3	20635	15	#0	16QAM	2.692	2.924	PASS
Band5	5	20425	25	#0	QPSK	4.517	4.898	PASS
Band5	5	20425	25	#0	16QAM	4.512	4.865	PASS
Band5	5	20525	25	#0	QPSK	4.502	4.938	PASS
Band5	5	20525	25	#0	16QAM	4.507	4.838	PASS
Band5	5	20625	25	#0	QPSK	4.495	4.871	PASS
Band5	5	20625	25	#0	16QAM	4.499	4.895	PASS
Band5	10	20450	50	#0	QPSK	9.020	9.734	PASS
Band5	10	20450	50	#0	16QAM	9.032	9.667	PASS
Band5	10	20525	50	#0	QPSK	8.971	9.592	PASS
Band5	10	20525	50	#0	16QAM	8.976	9.610	PASS
Band5	10	20600	50	#0	QPSK	8.940	9.630	PASS
Band5	10	20600	50	#0	16QAM	8.903	9.564	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

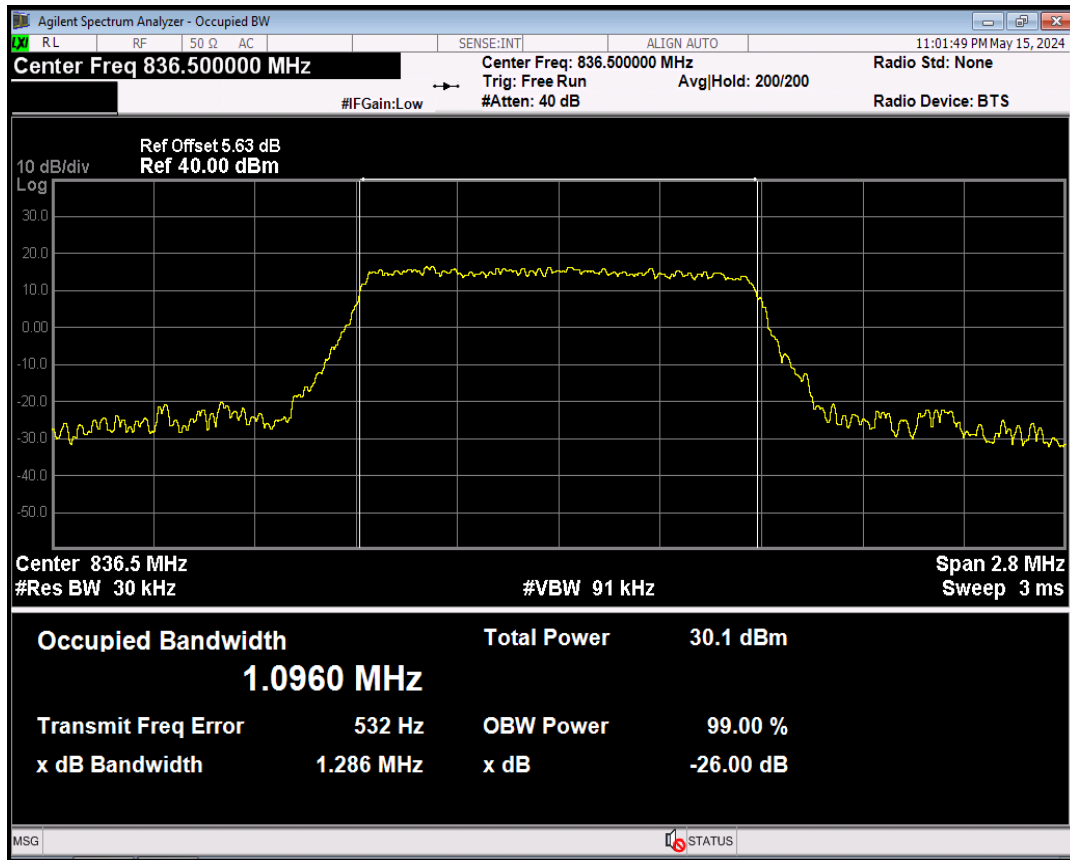


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

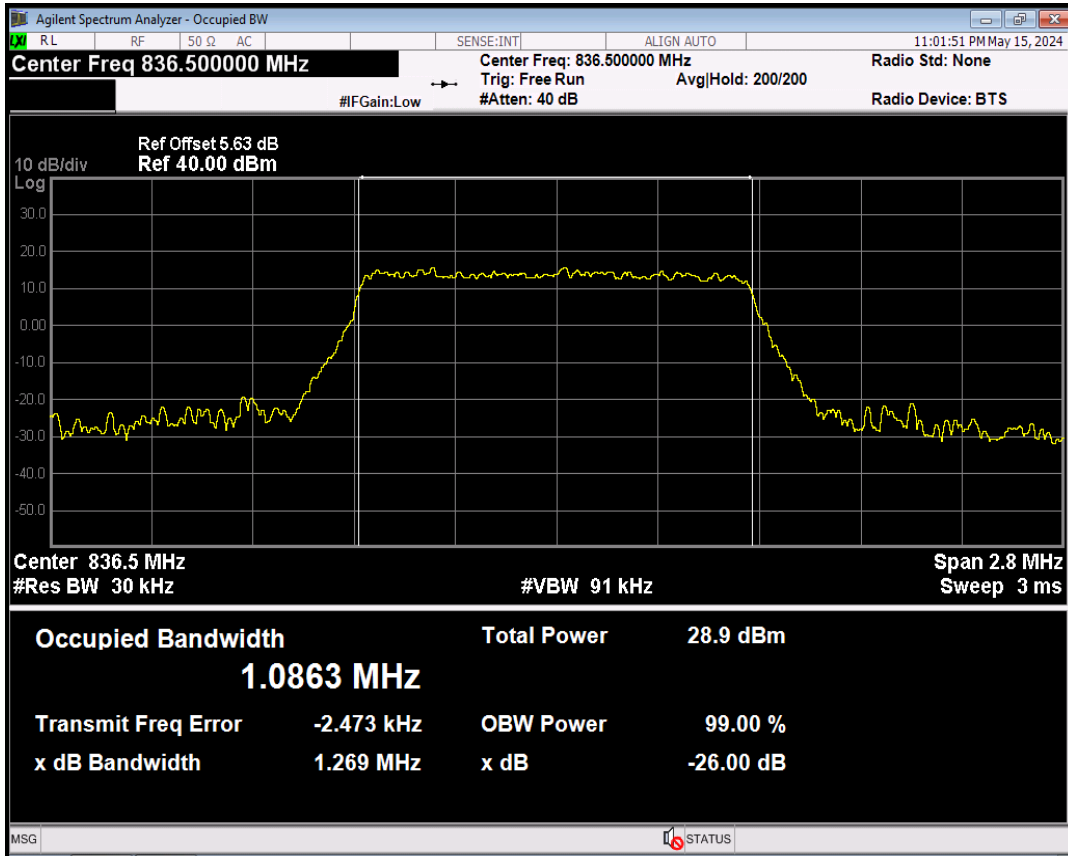




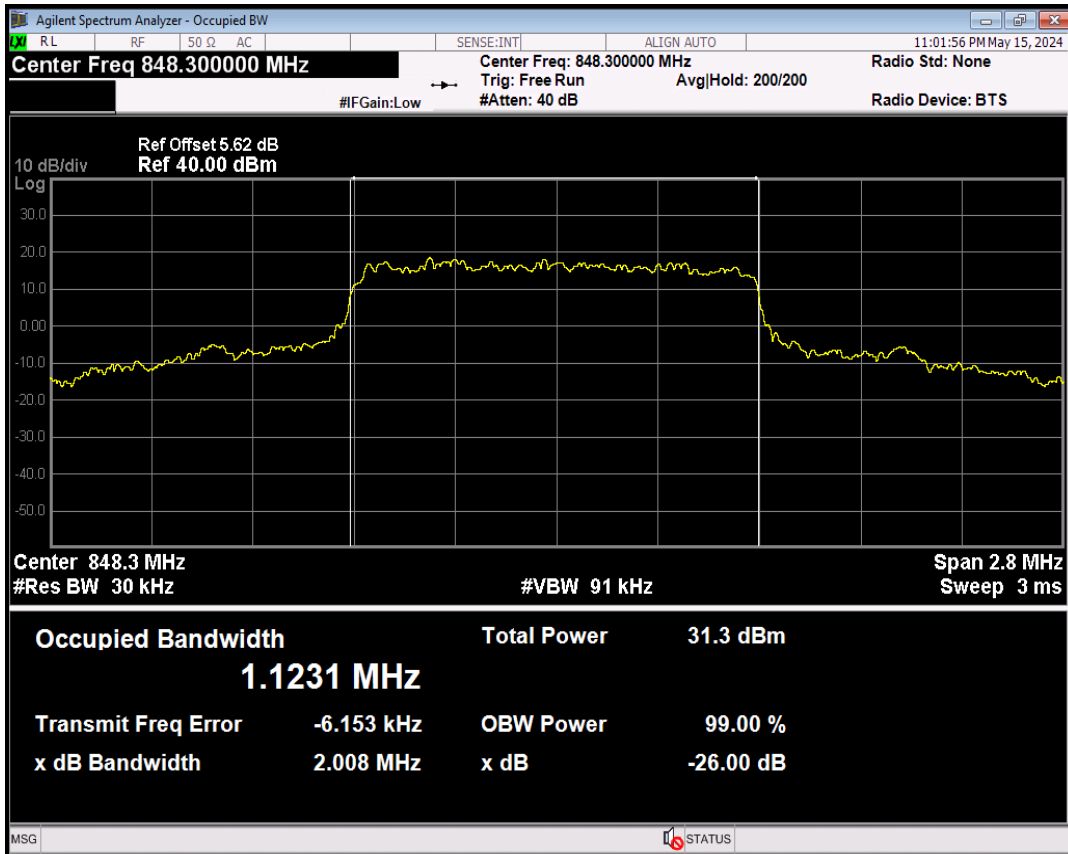
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

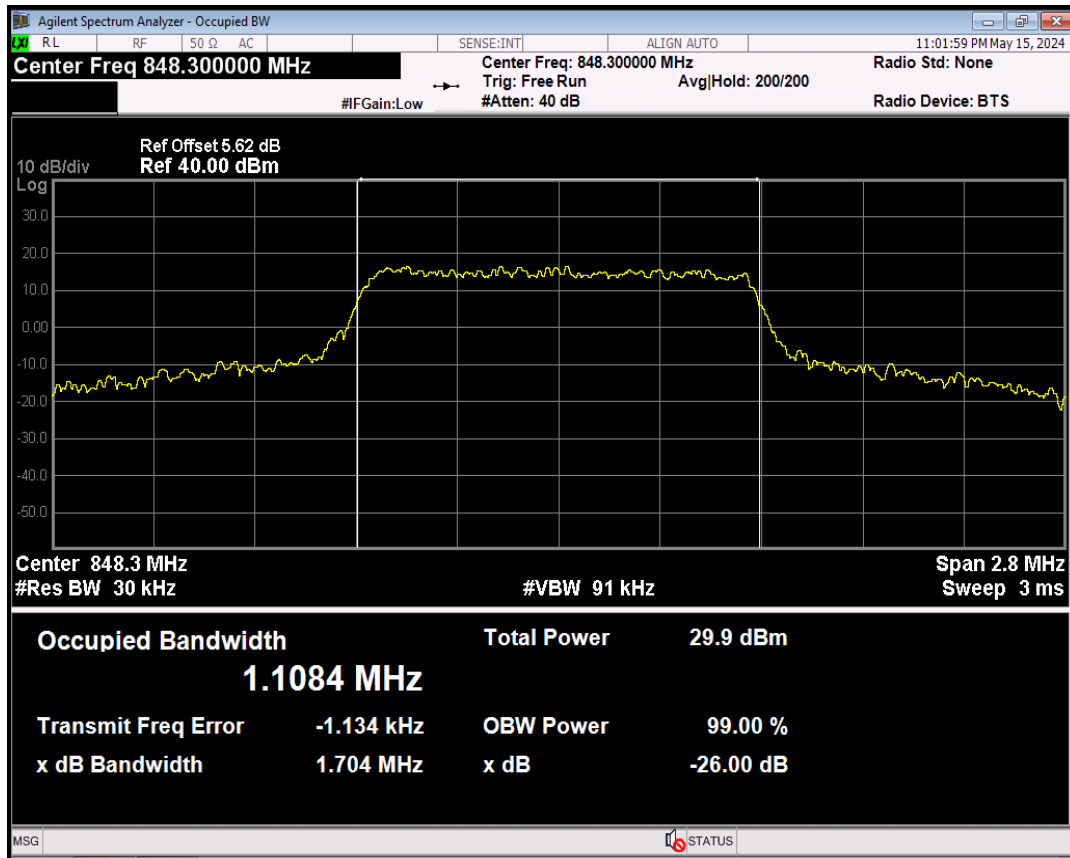


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

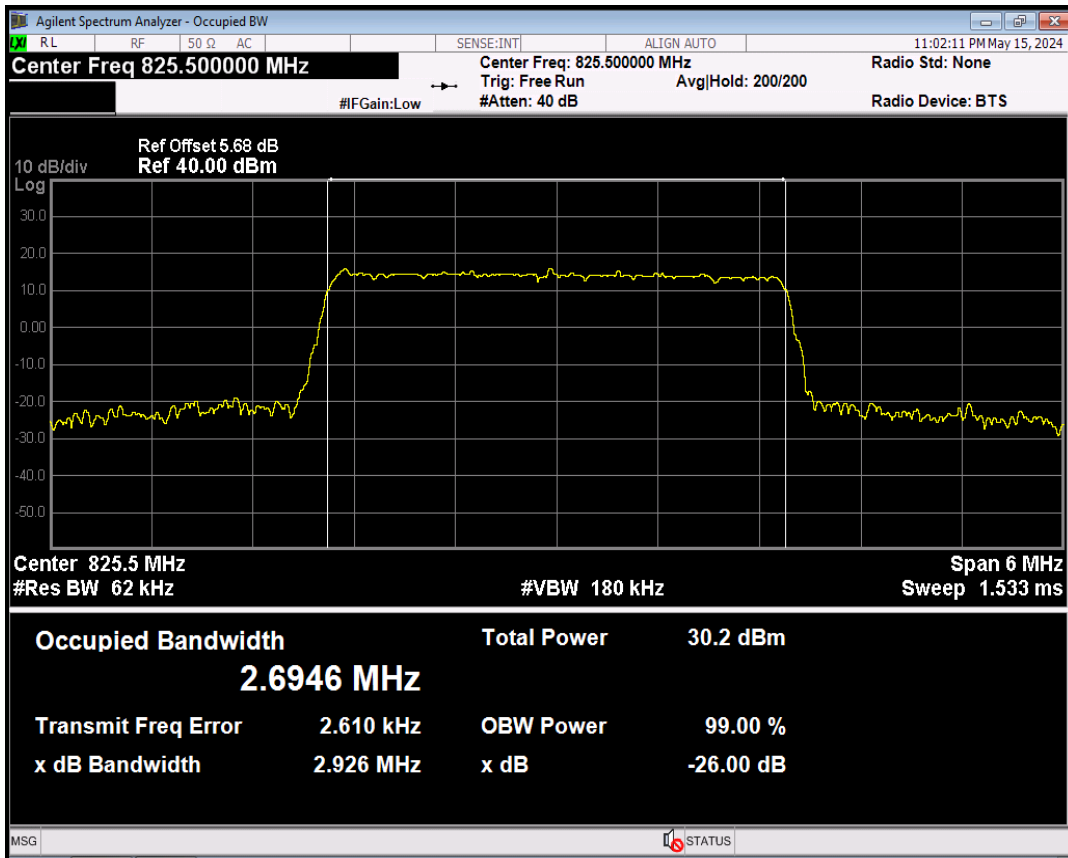




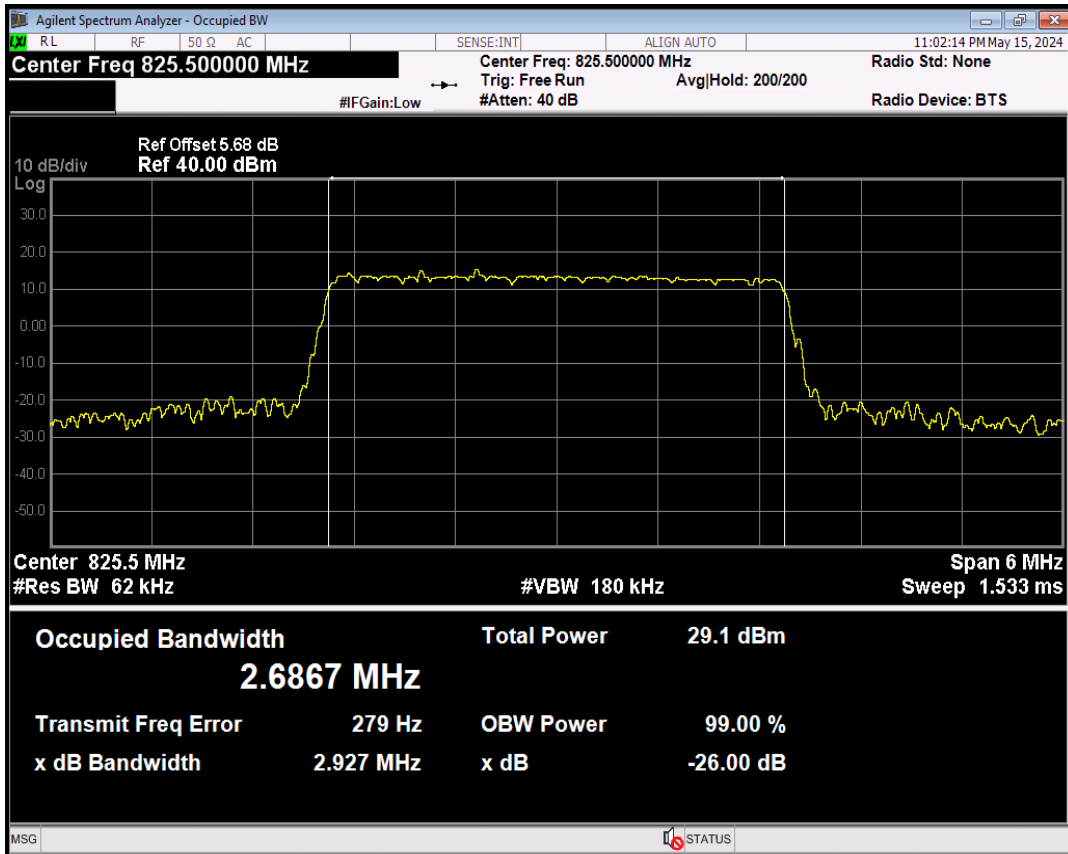
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

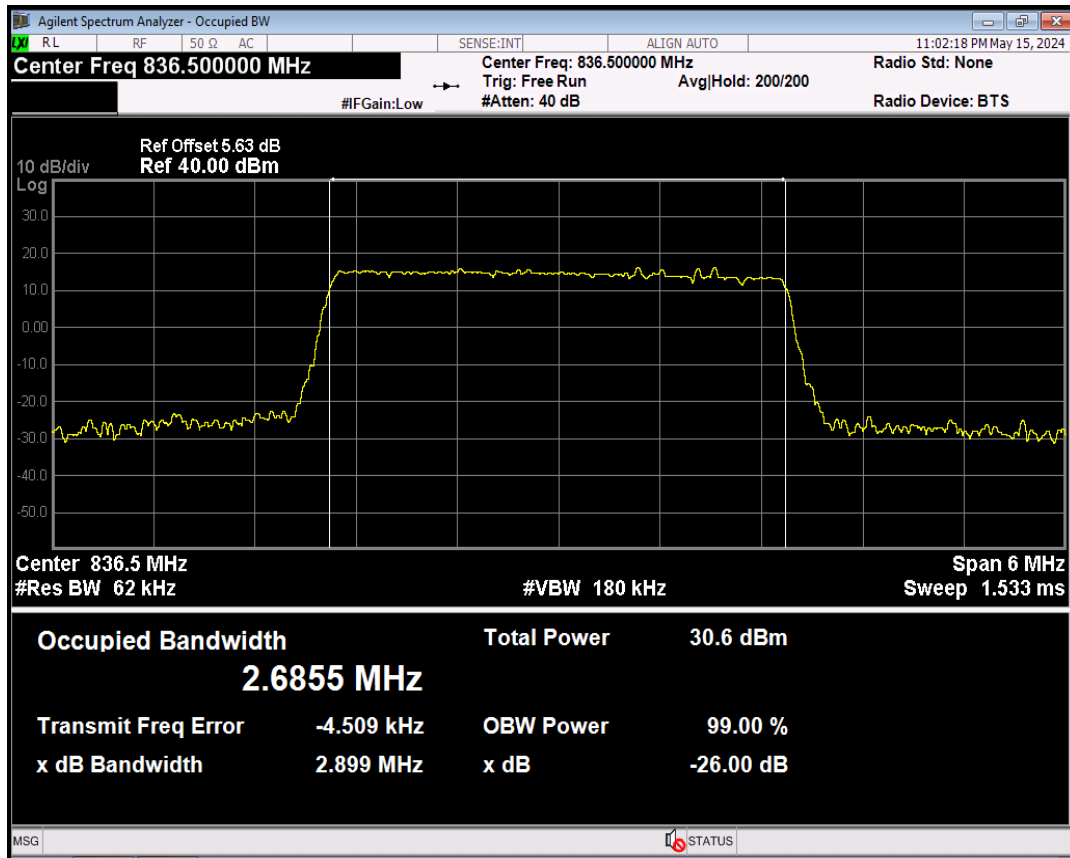


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

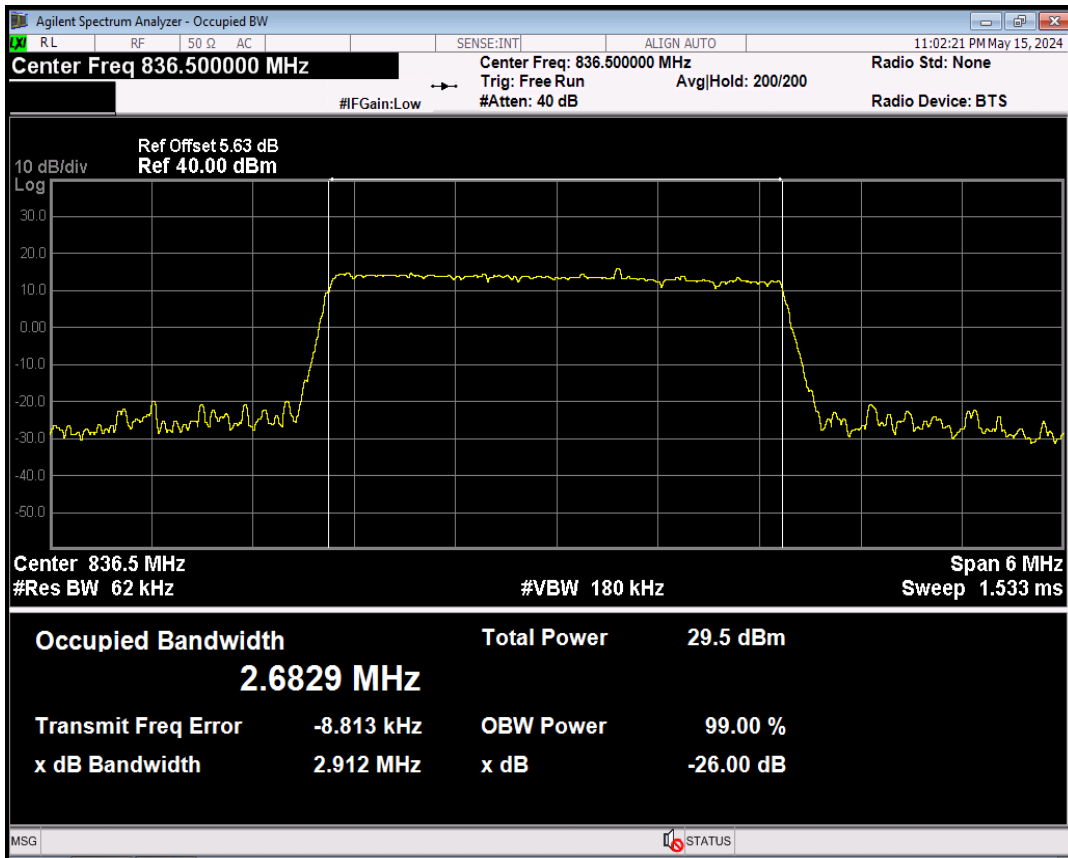




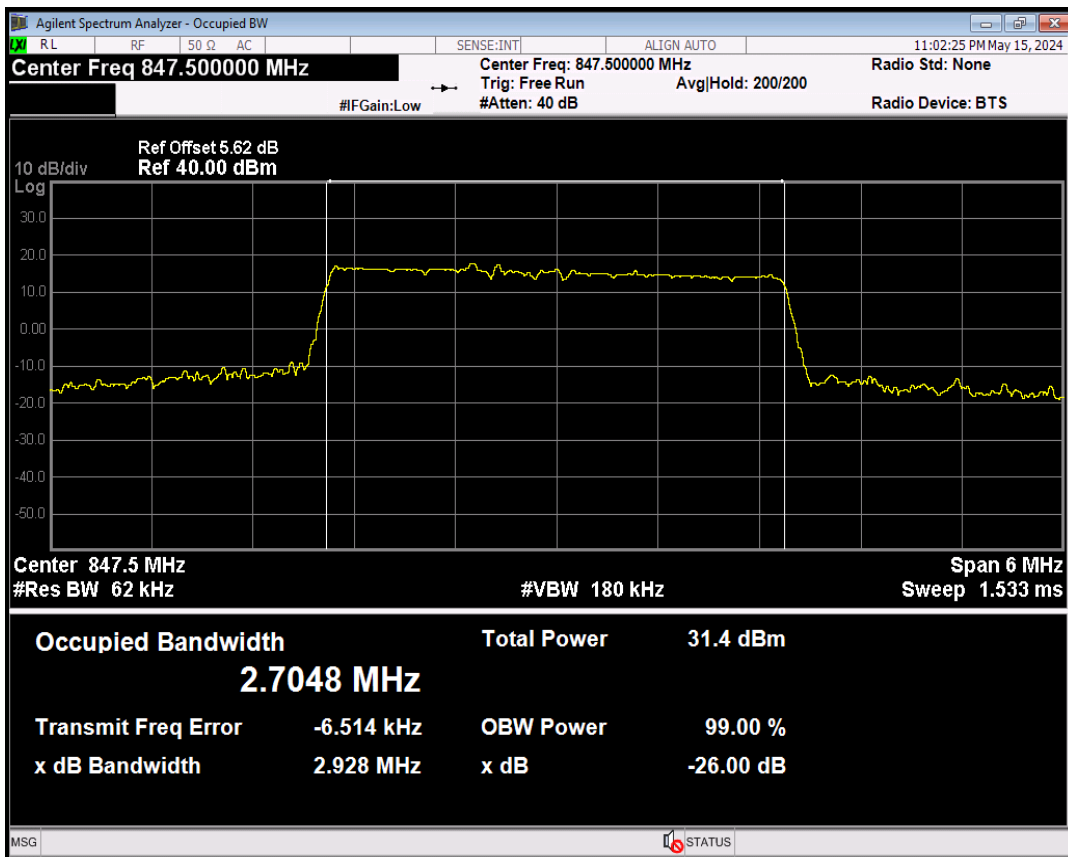
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

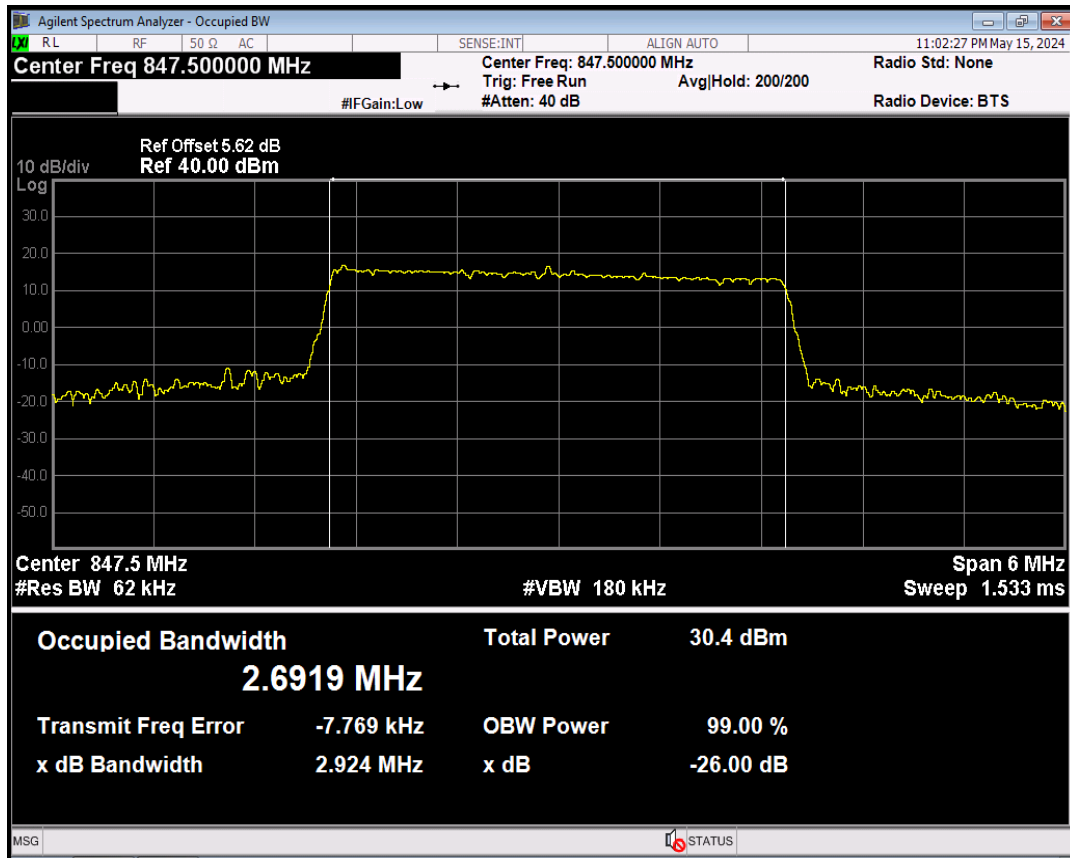


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

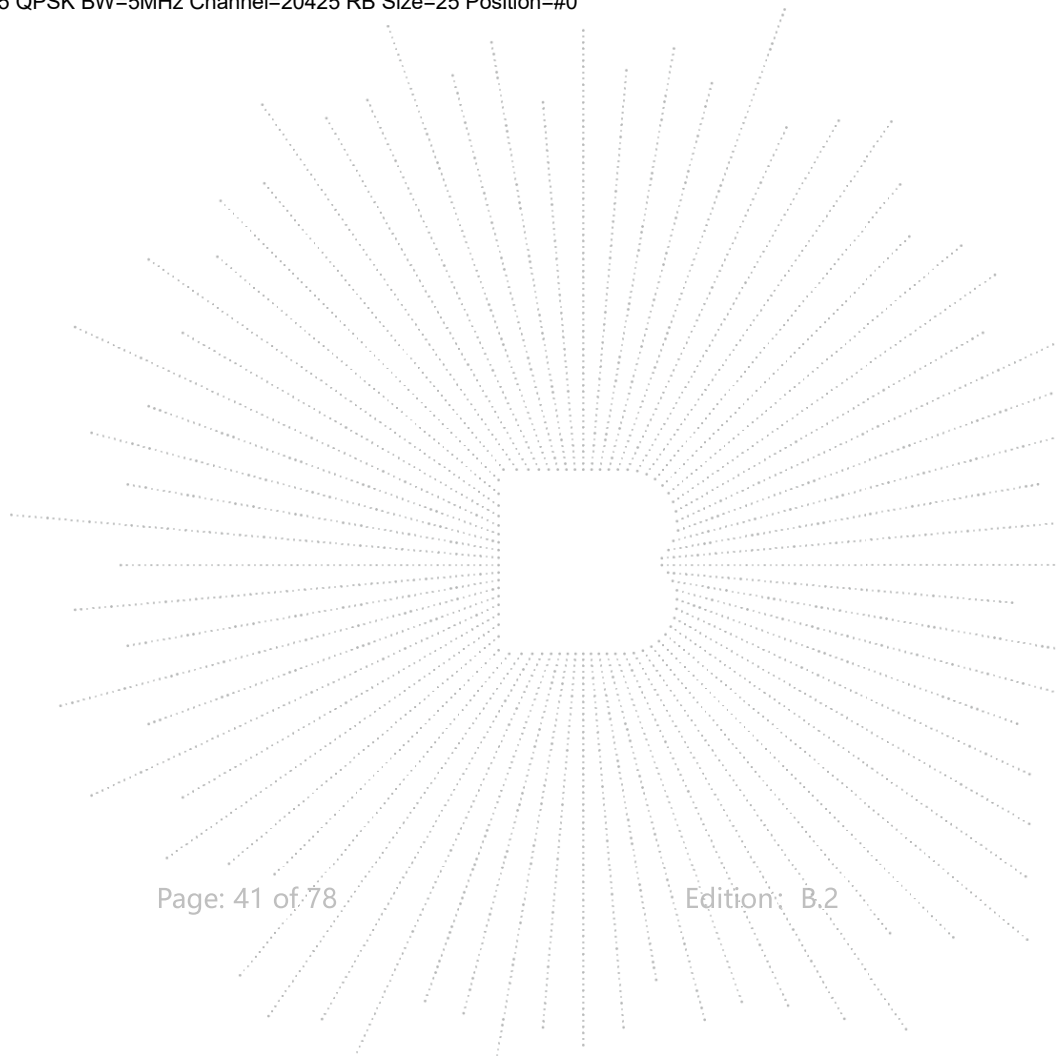


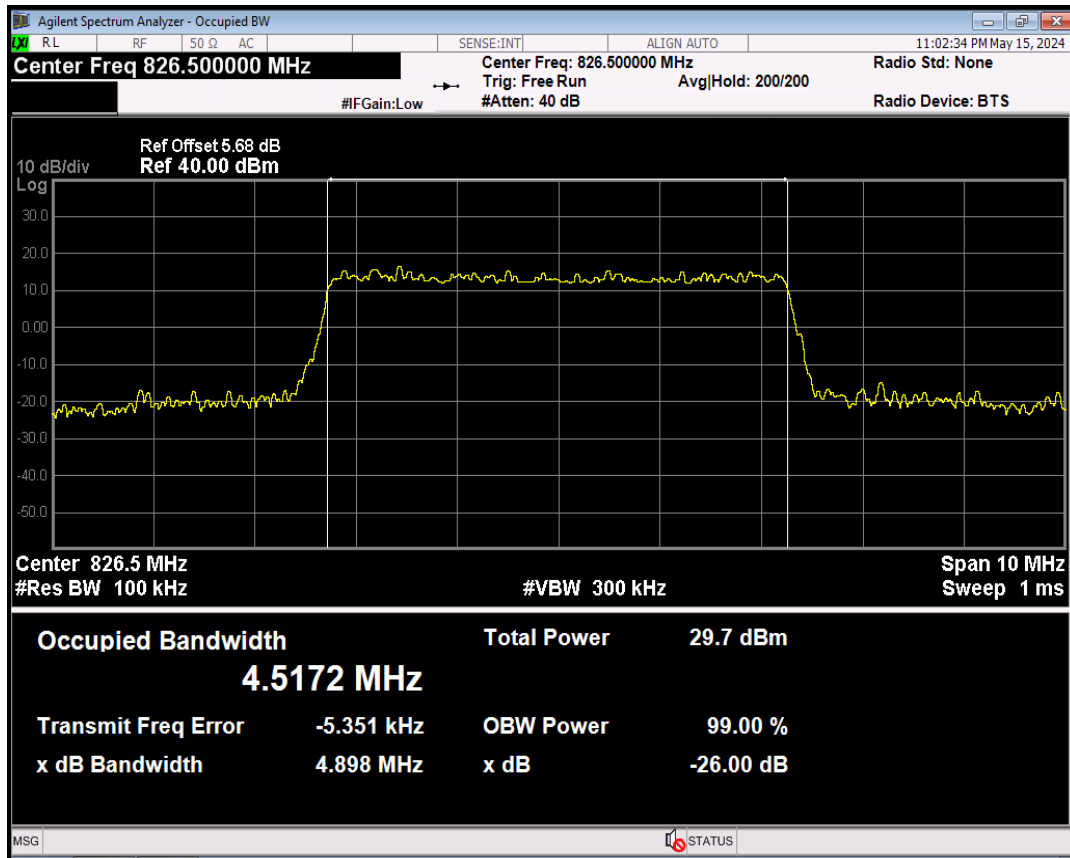


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

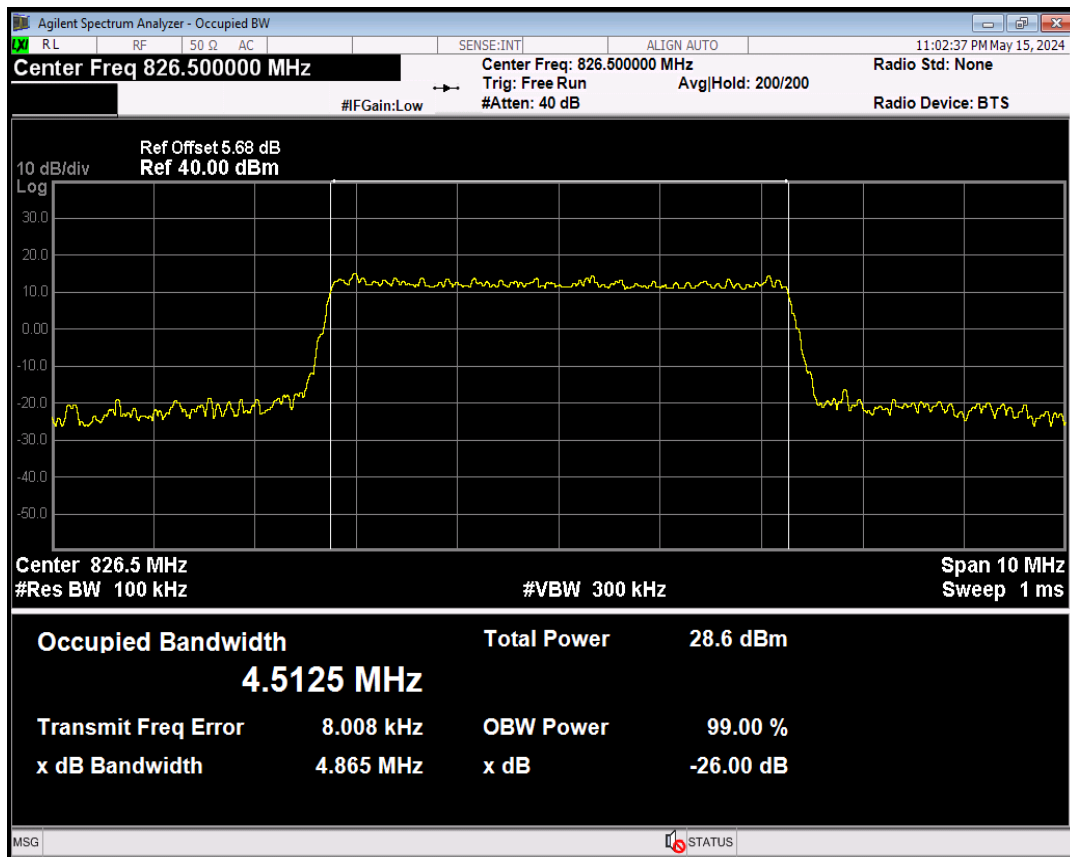


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



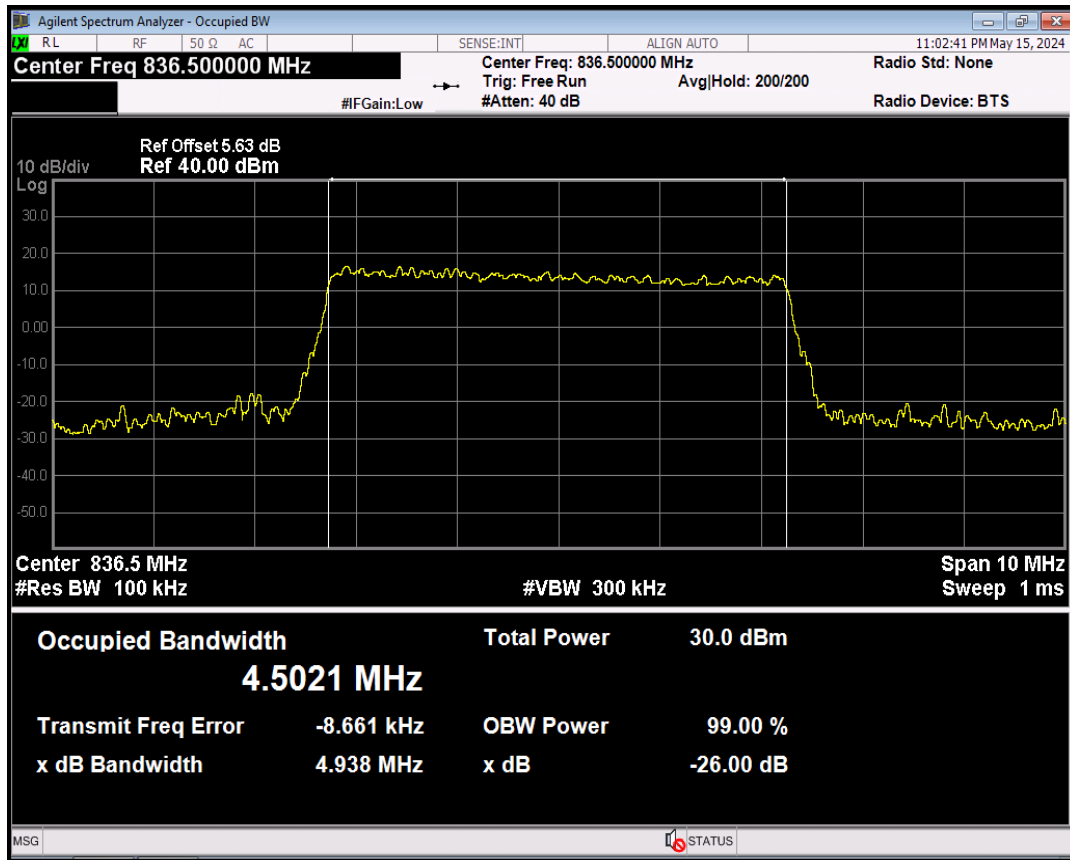


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

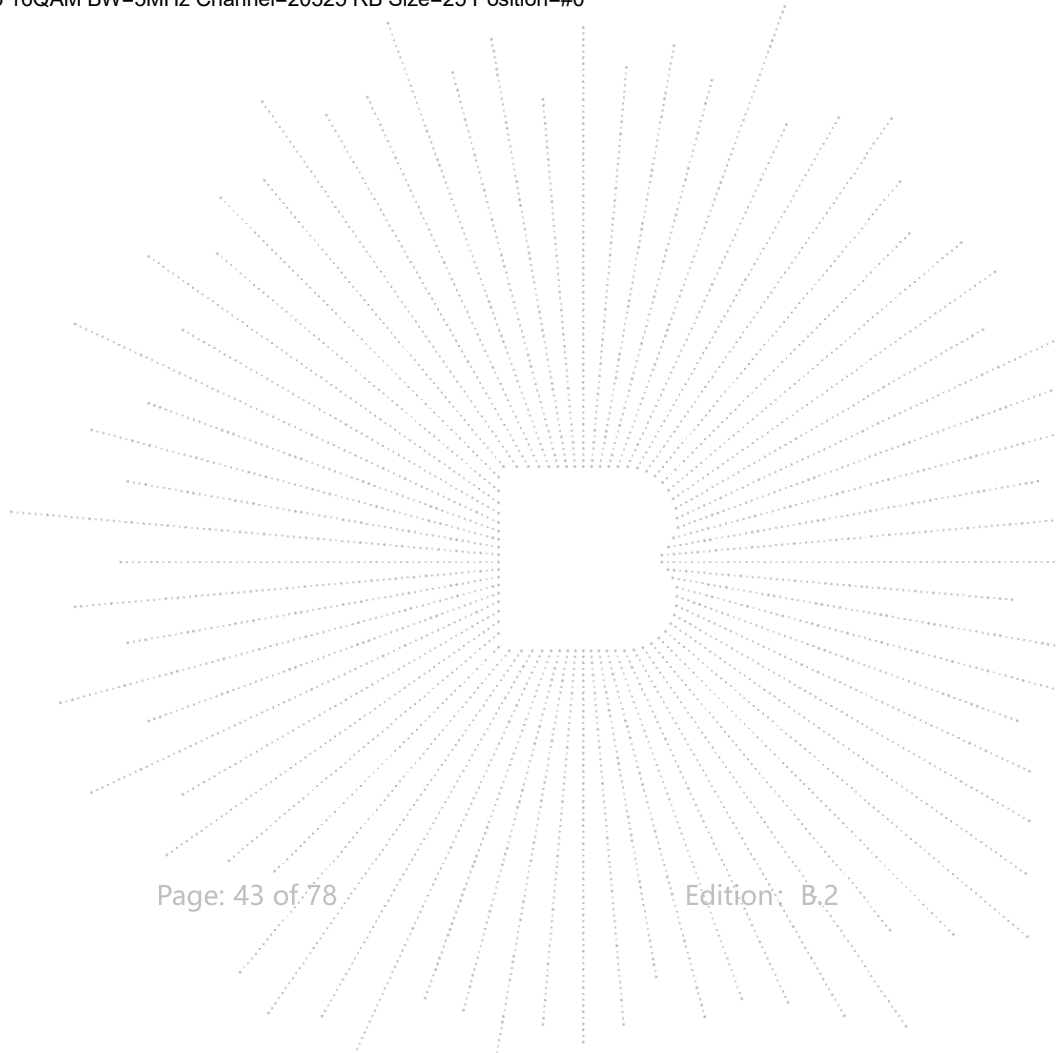


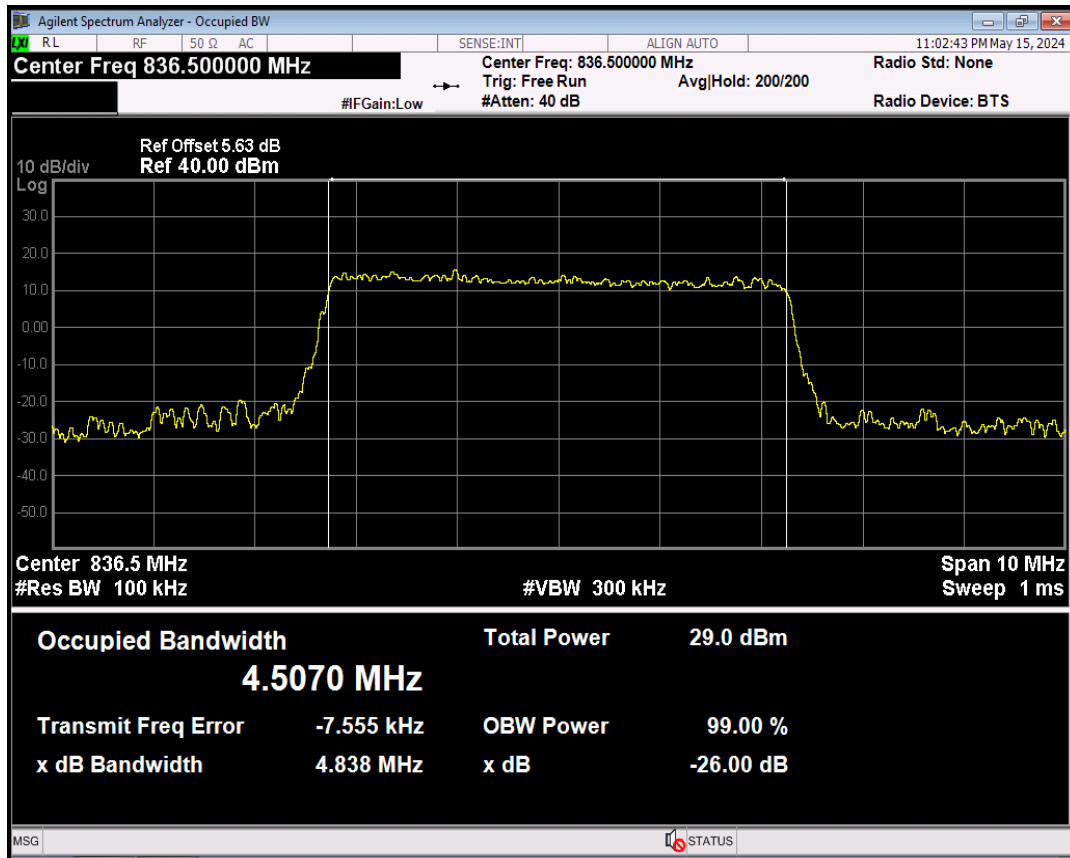


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

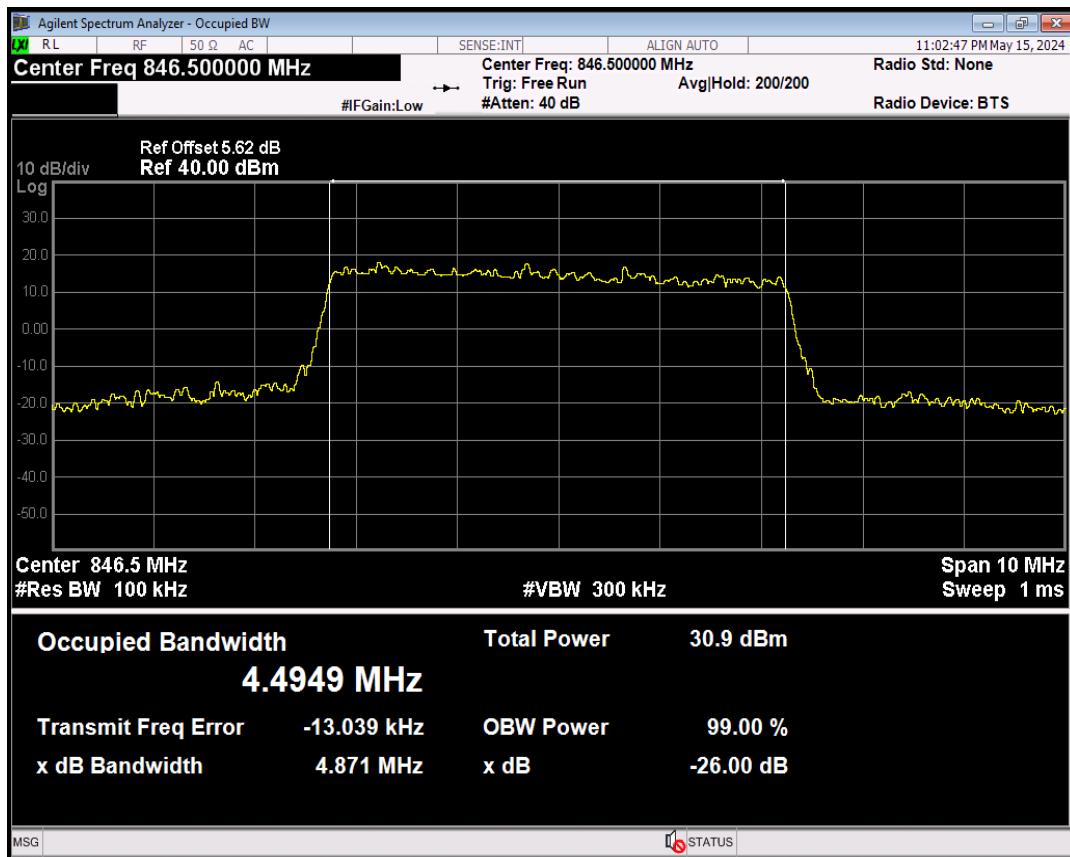


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



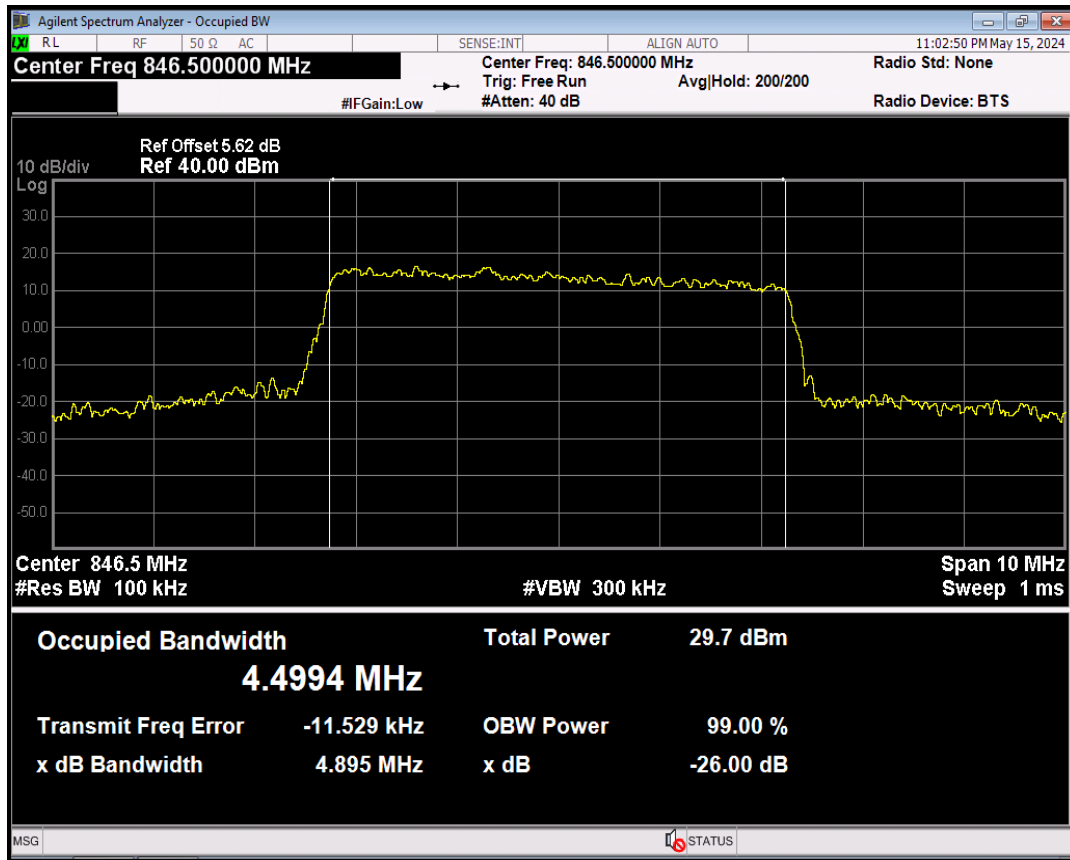


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

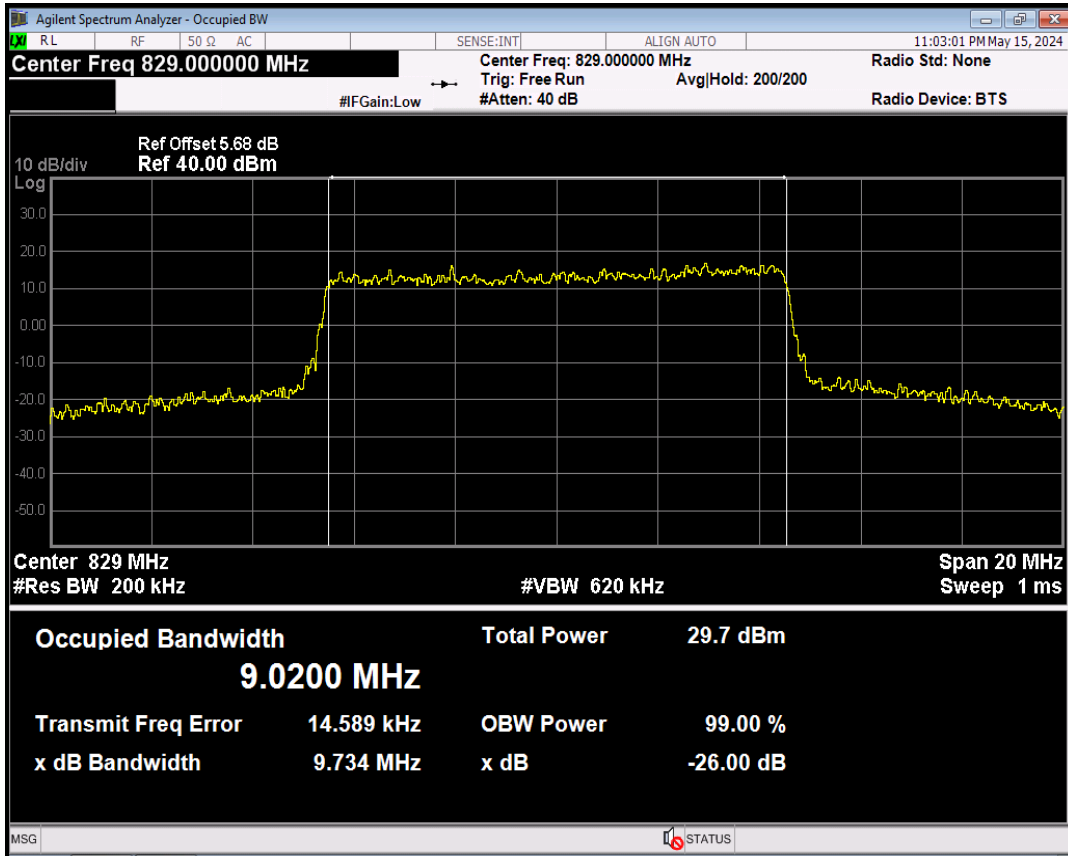




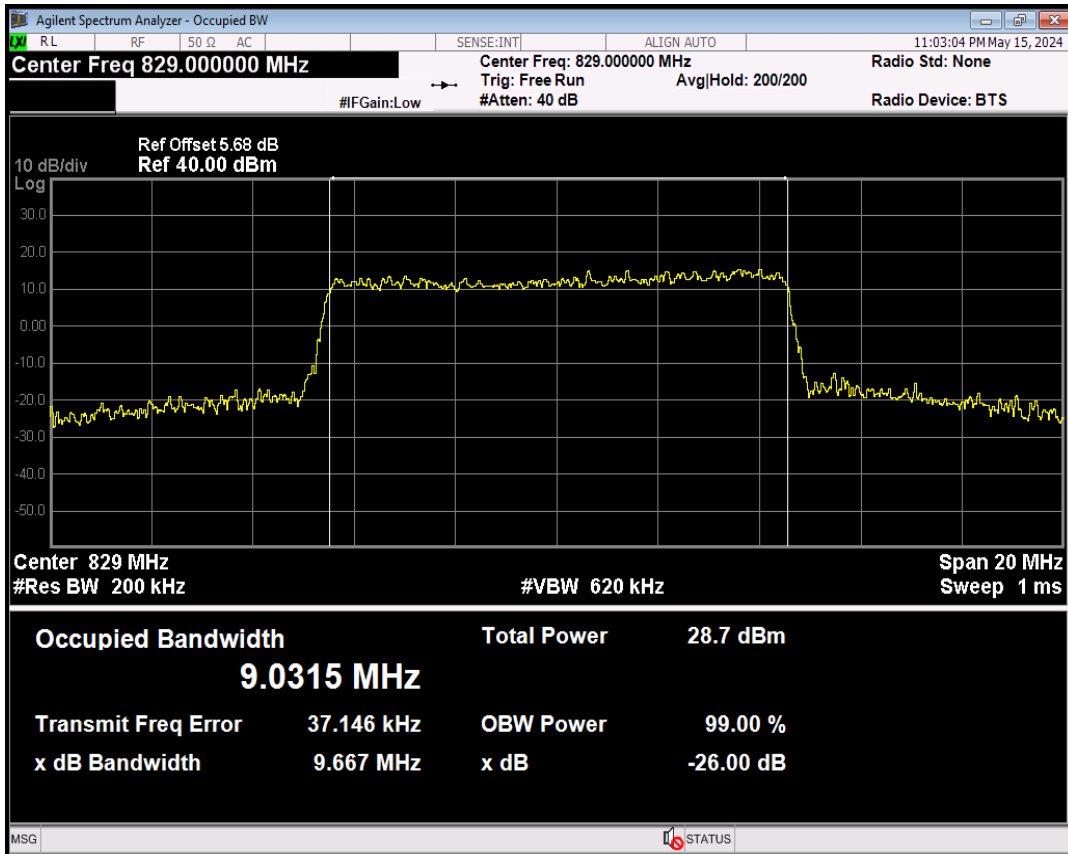
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

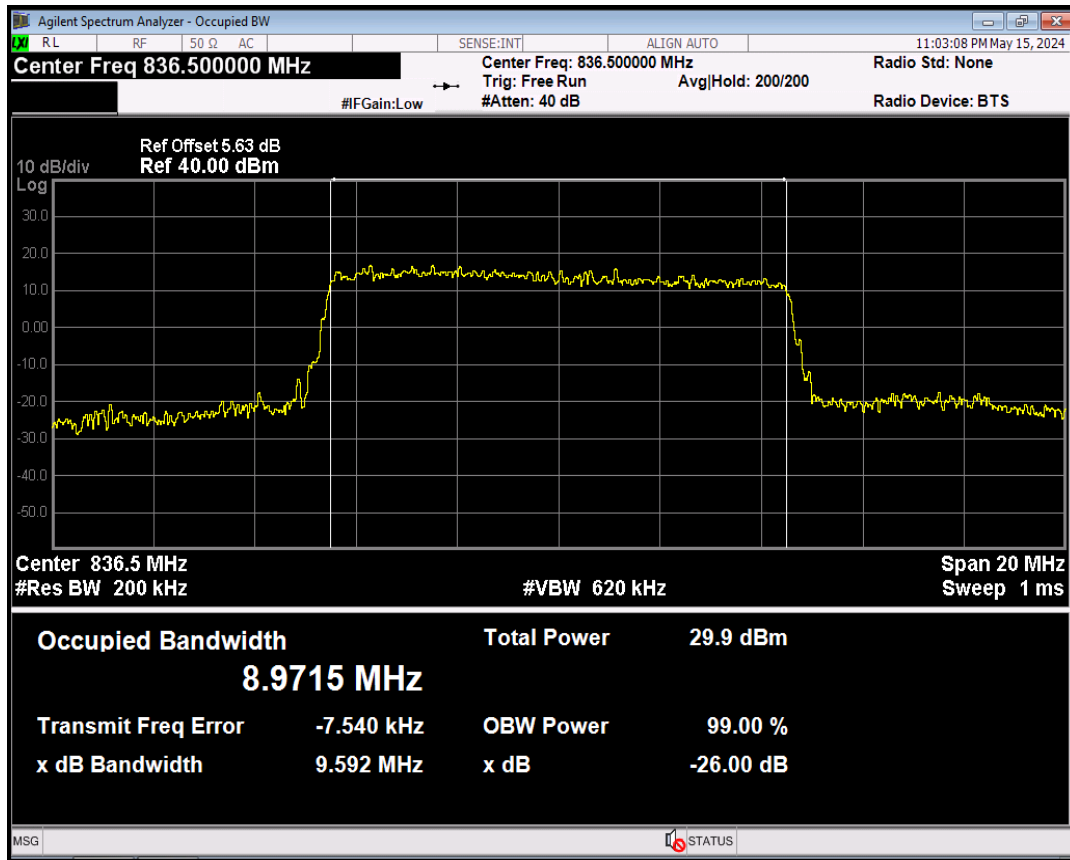


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

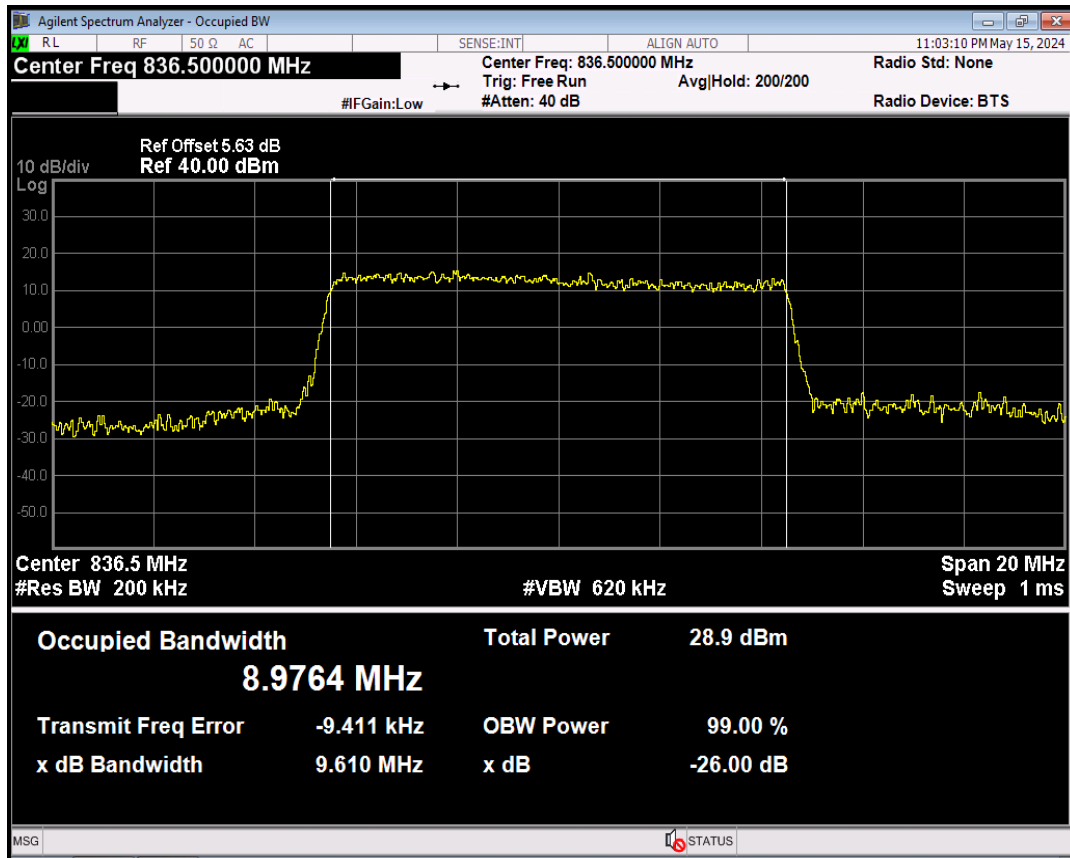




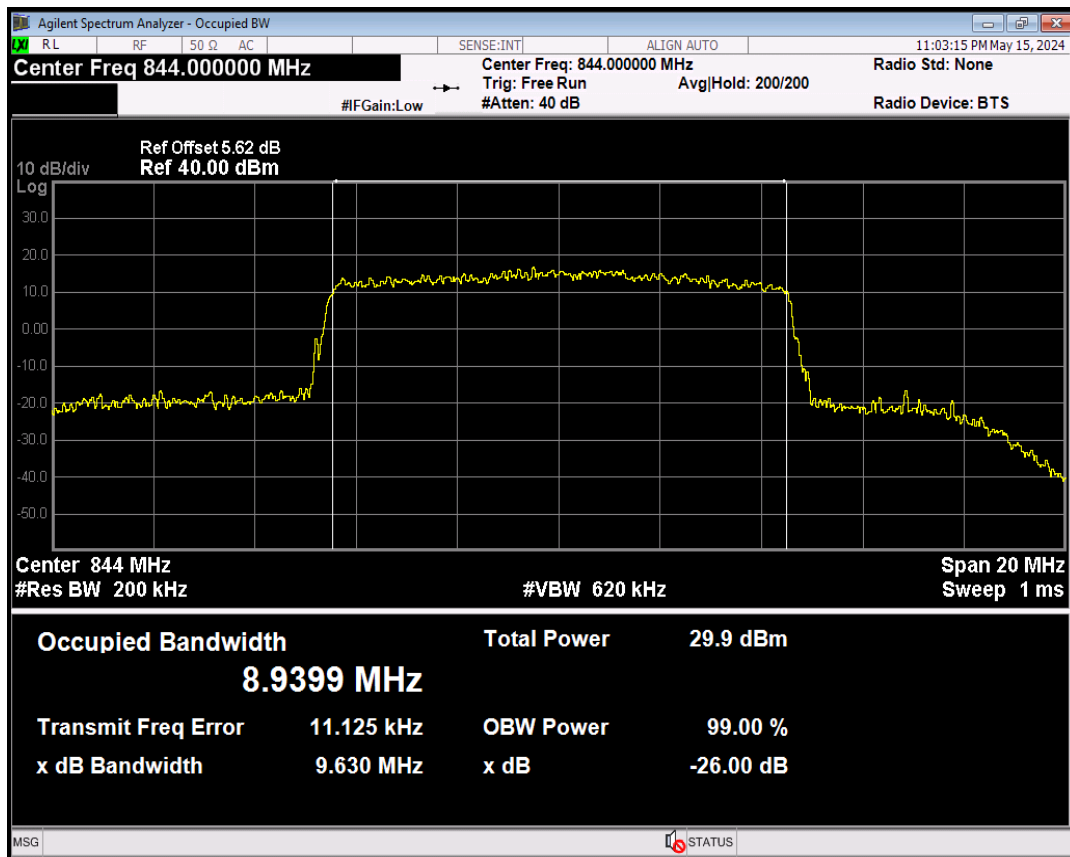
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0

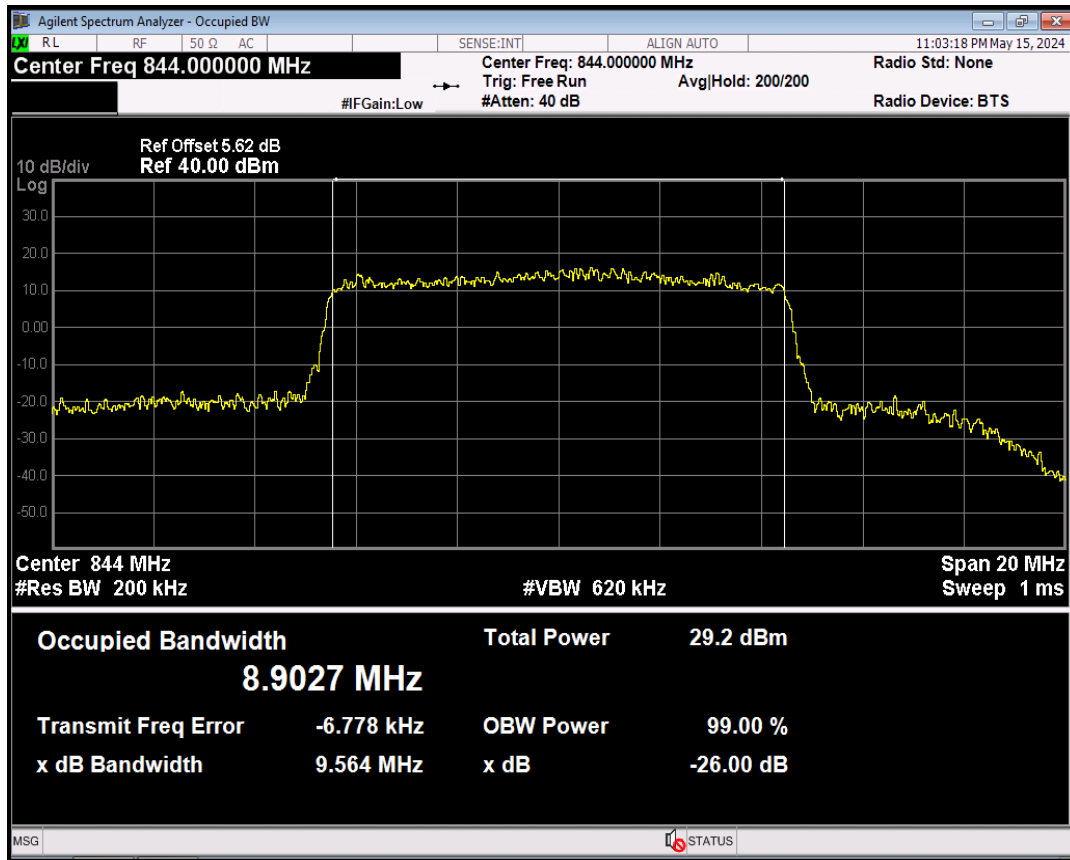


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





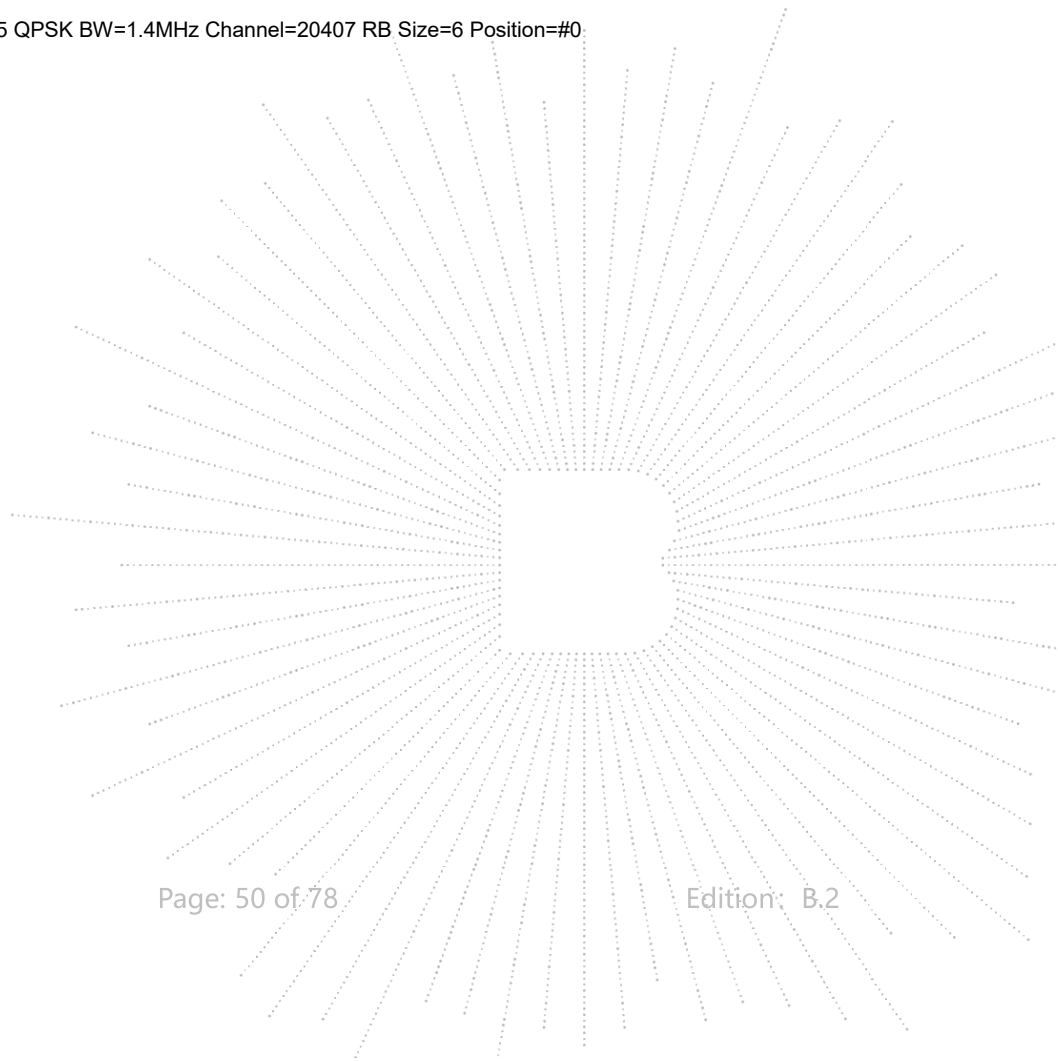
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

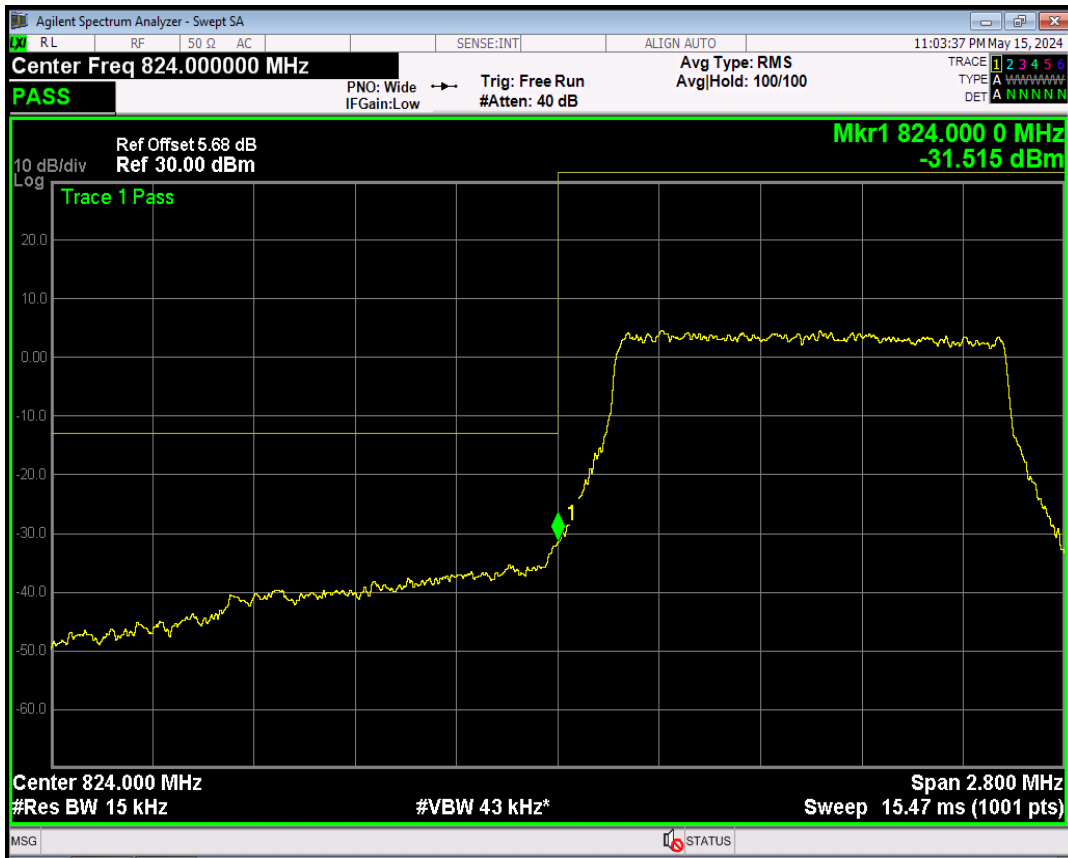


Appendix 5. Band edge

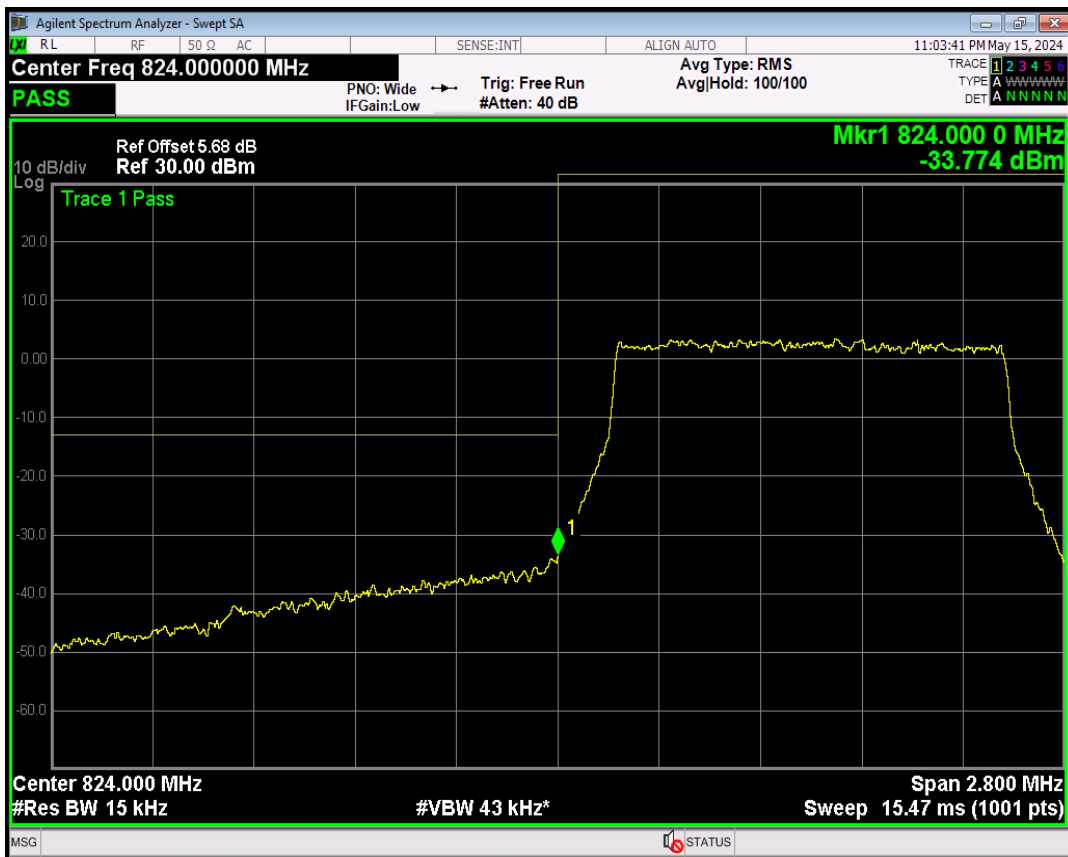
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-31.51	-13	PASS
Band5	1.4	20407	6	#0	16QAM	824.00	-33.77	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.01	-17.46	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.07	-21.44	-13	PASS
Band5	3	20415	15	#0	QPSK	823.98	-31.91	-13	PASS
Band5	3	20415	15	#0	16QAM	823.99	-31.87	-13	PASS
Band5	3	20635	15	#0	QPSK	849.01	-24.19	-13	PASS
Band5	3	20635	15	#0	16QAM	849.10	-28.34	-13	PASS
Band5	5	20425	25	#0	QPSK	823.98	-29.85	-13	PASS
Band5	5	20425	25	#0	16QAM	823.98	-30.82	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-29.53	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-32.00	-13	PASS
Band5	10	20450	50	#0	QPSK	823.96	-30.38	-13	PASS
Band5	10	20450	50	#0	16QAM	823.98	-32.28	-13	PASS
Band5	10	20600	50	#0	QPSK	849.04	-31.78	-13	PASS
Band5	10	20600	50	#0	16QAM	849.04	-33.49	-13	PASS

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0





Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

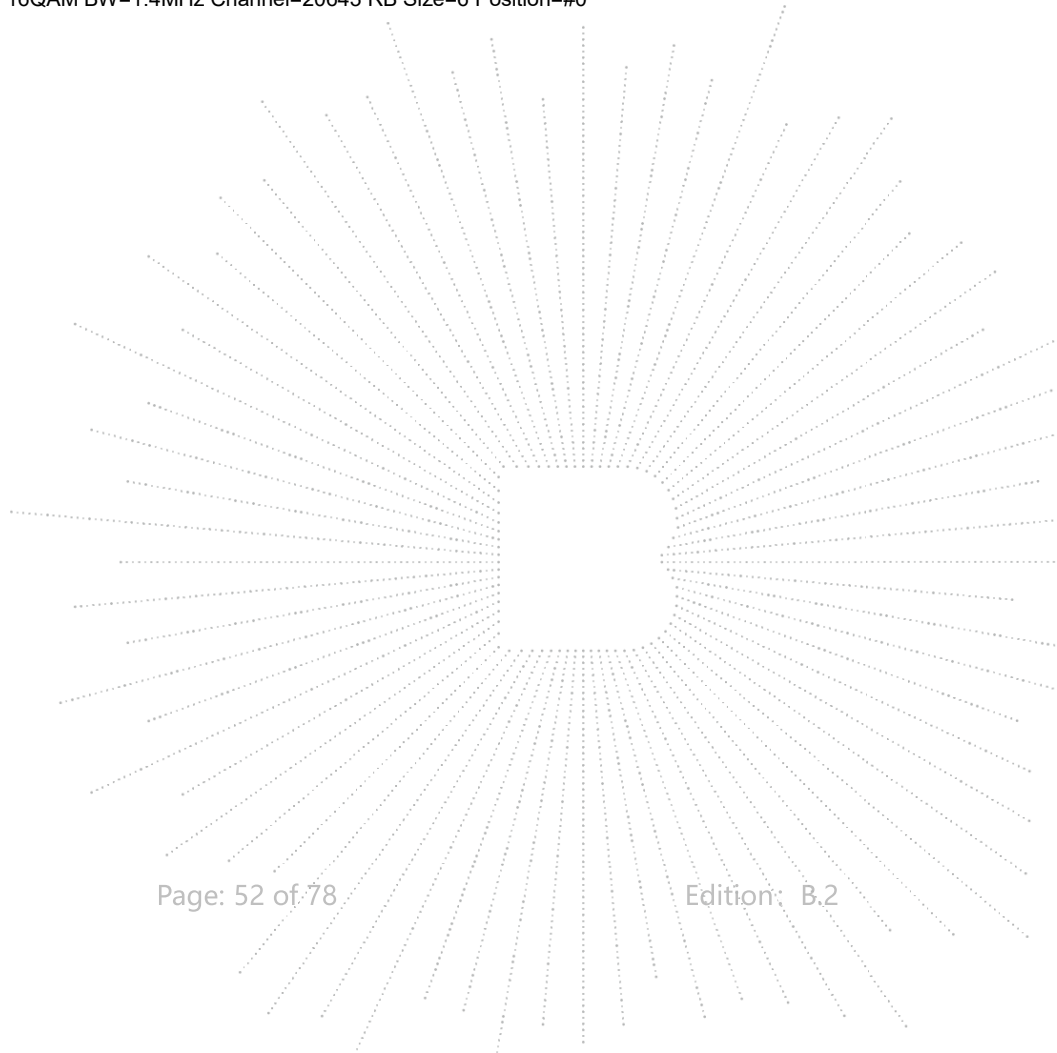




Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

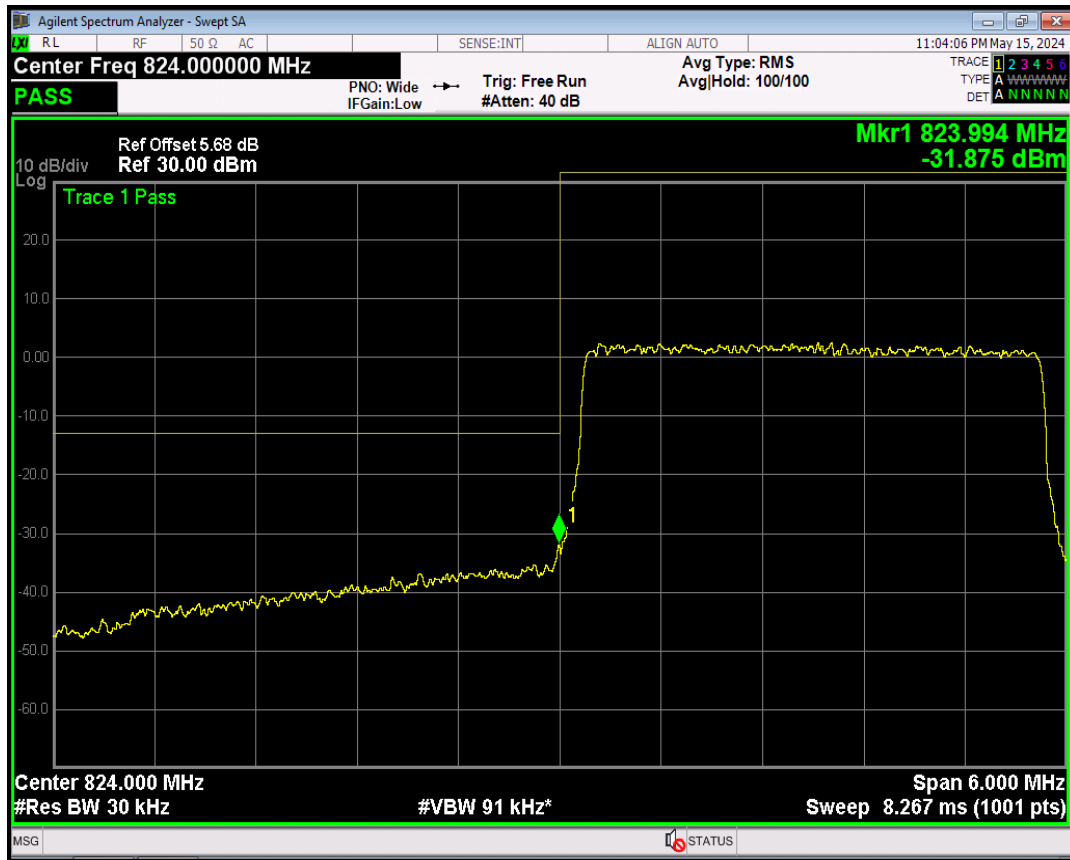




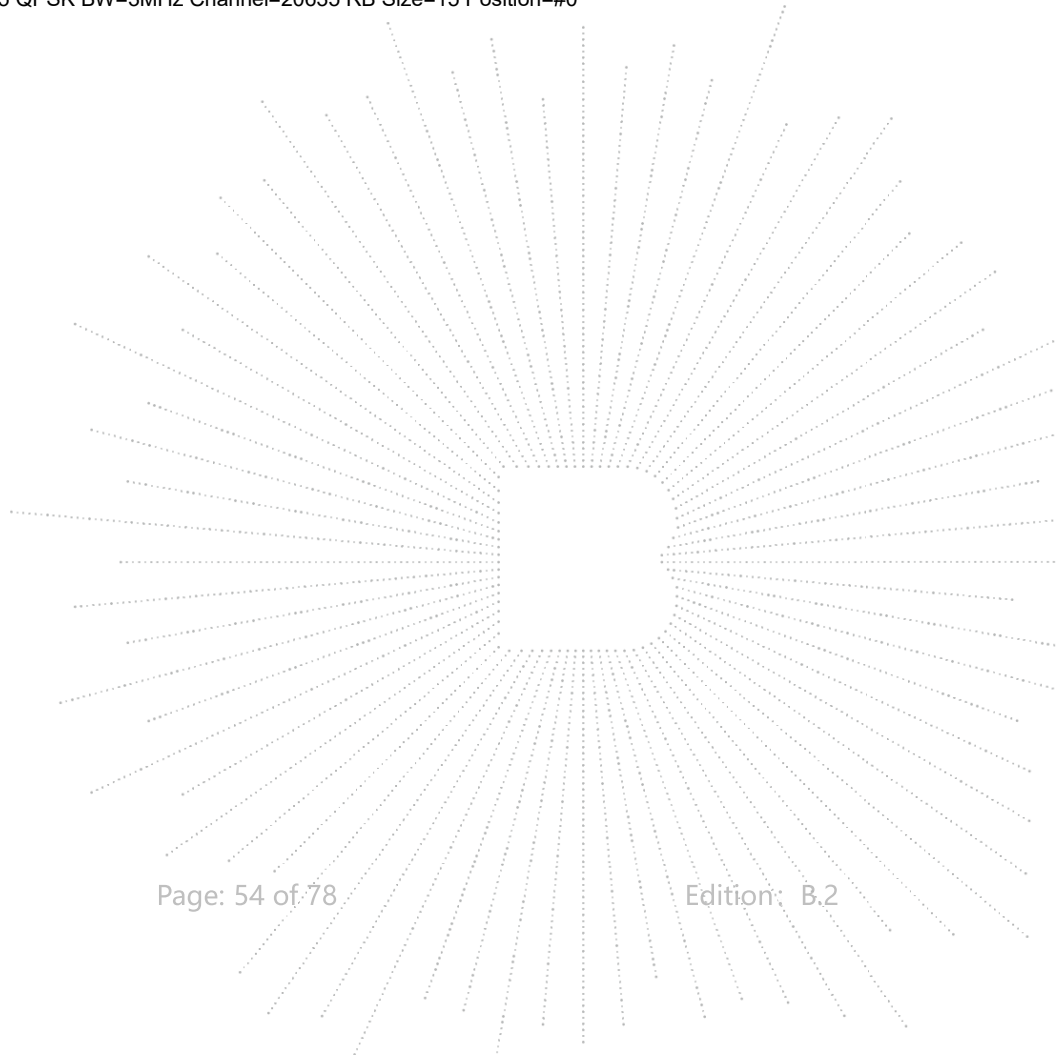
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



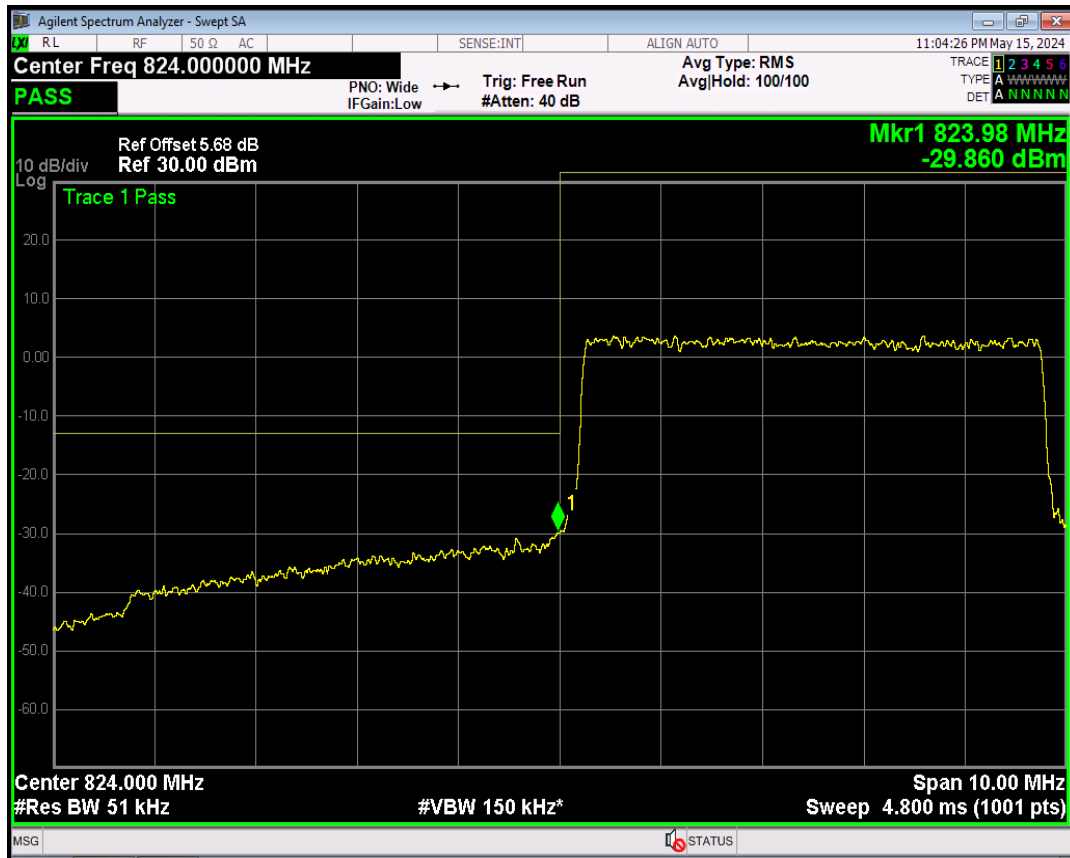


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

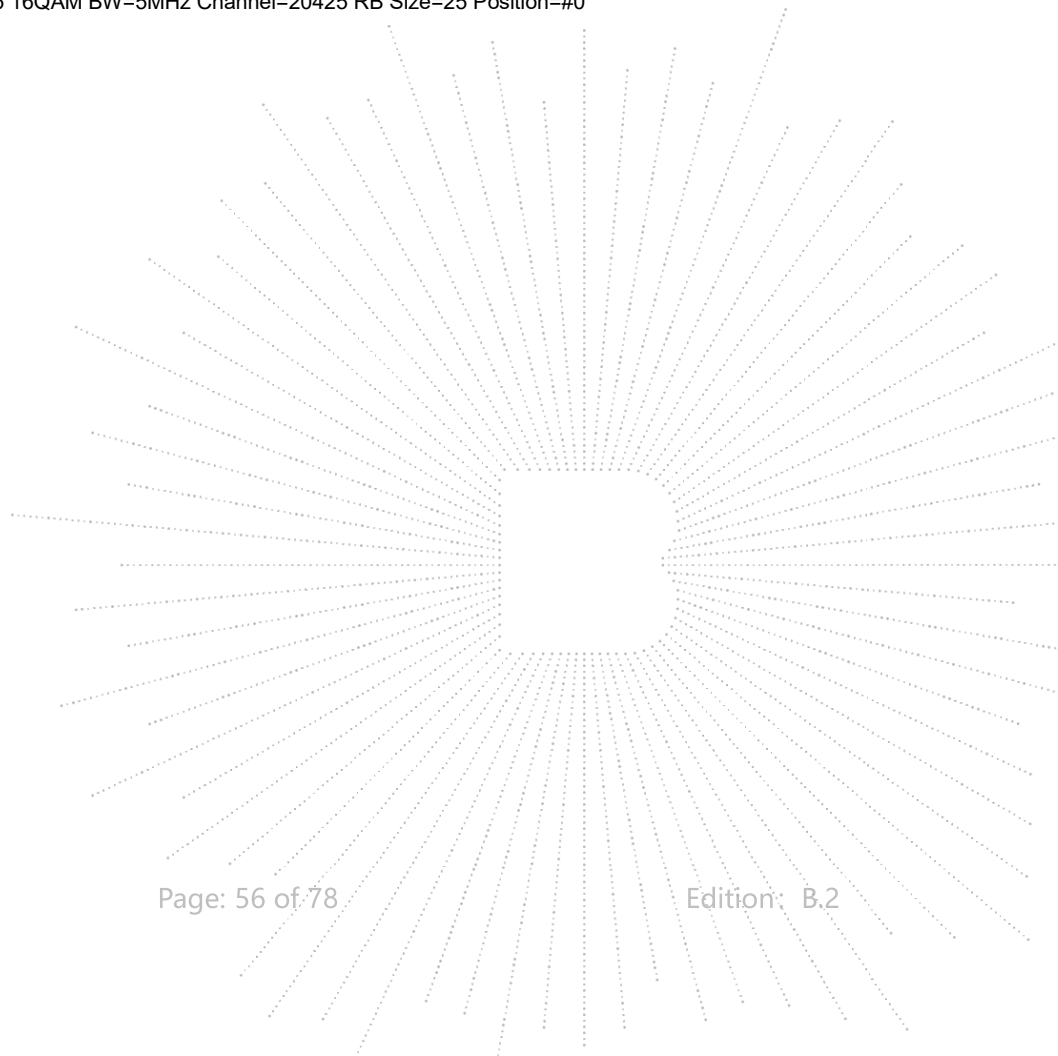


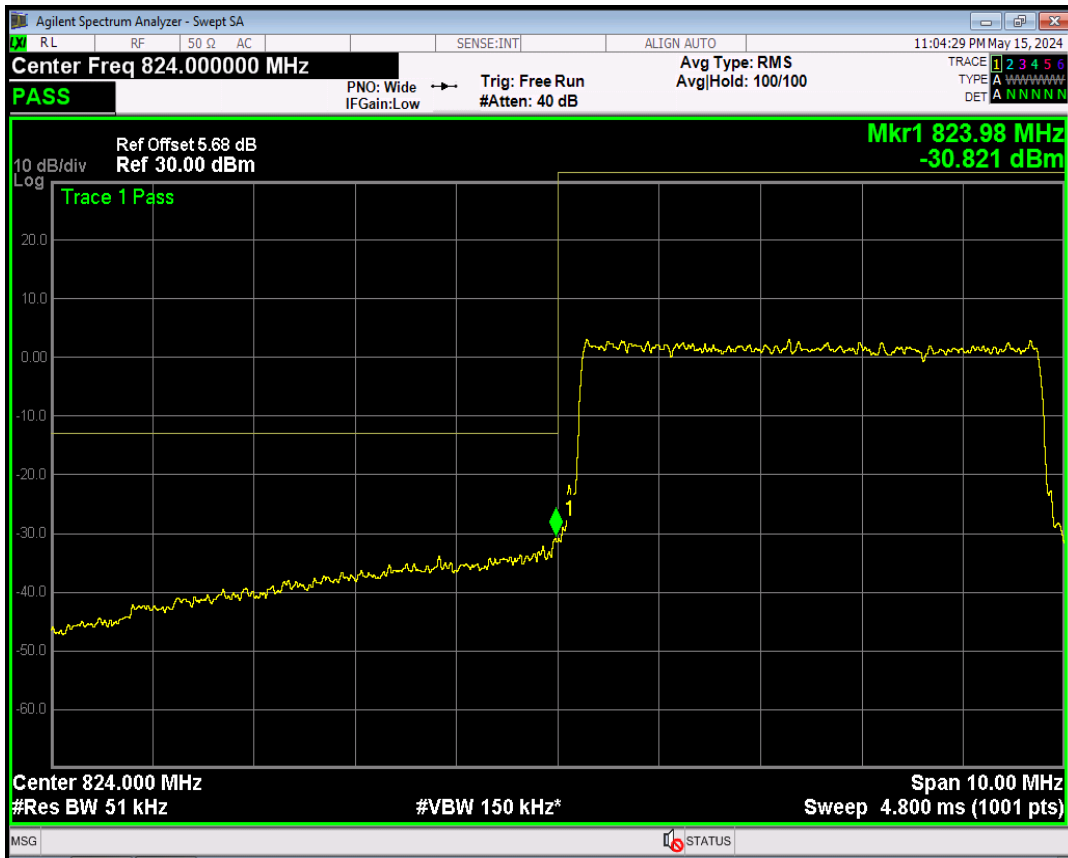


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0





Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

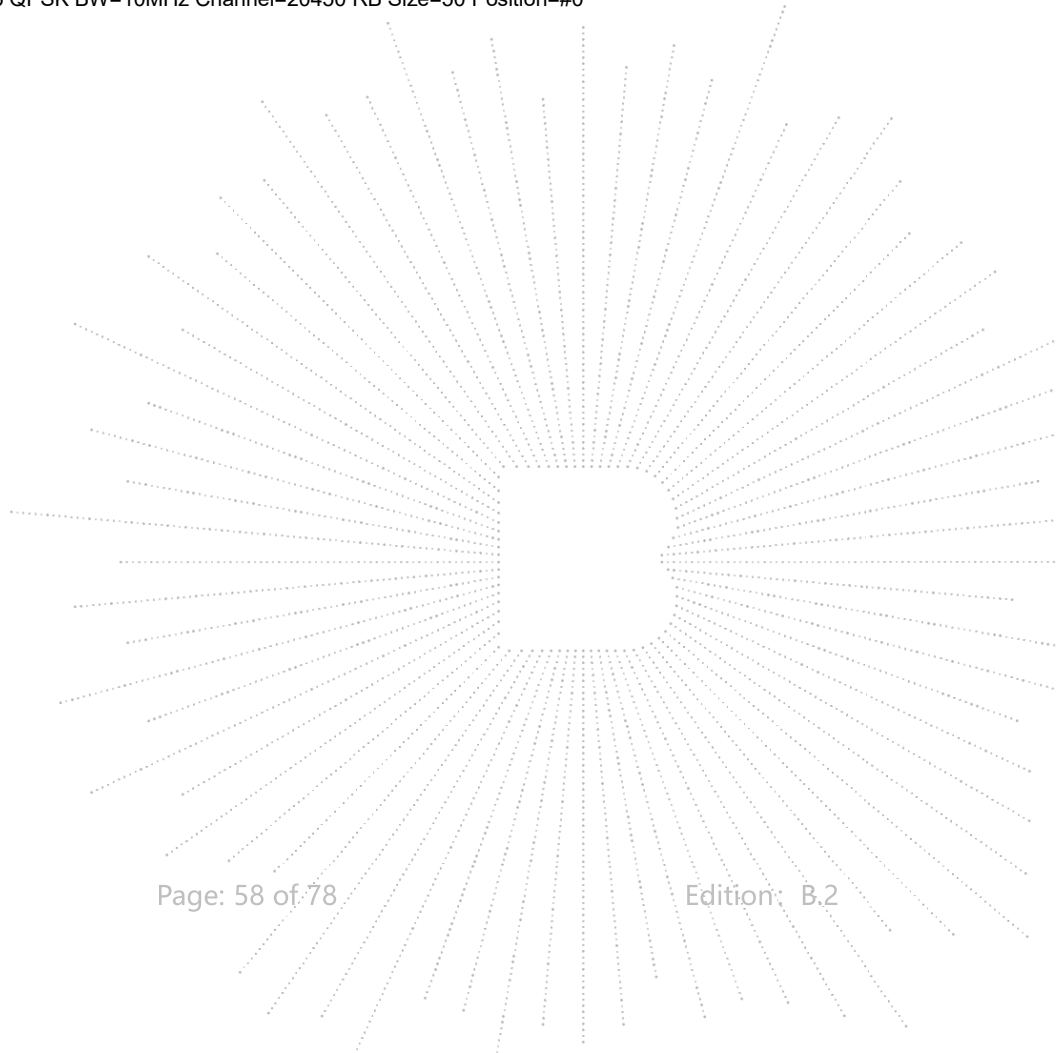


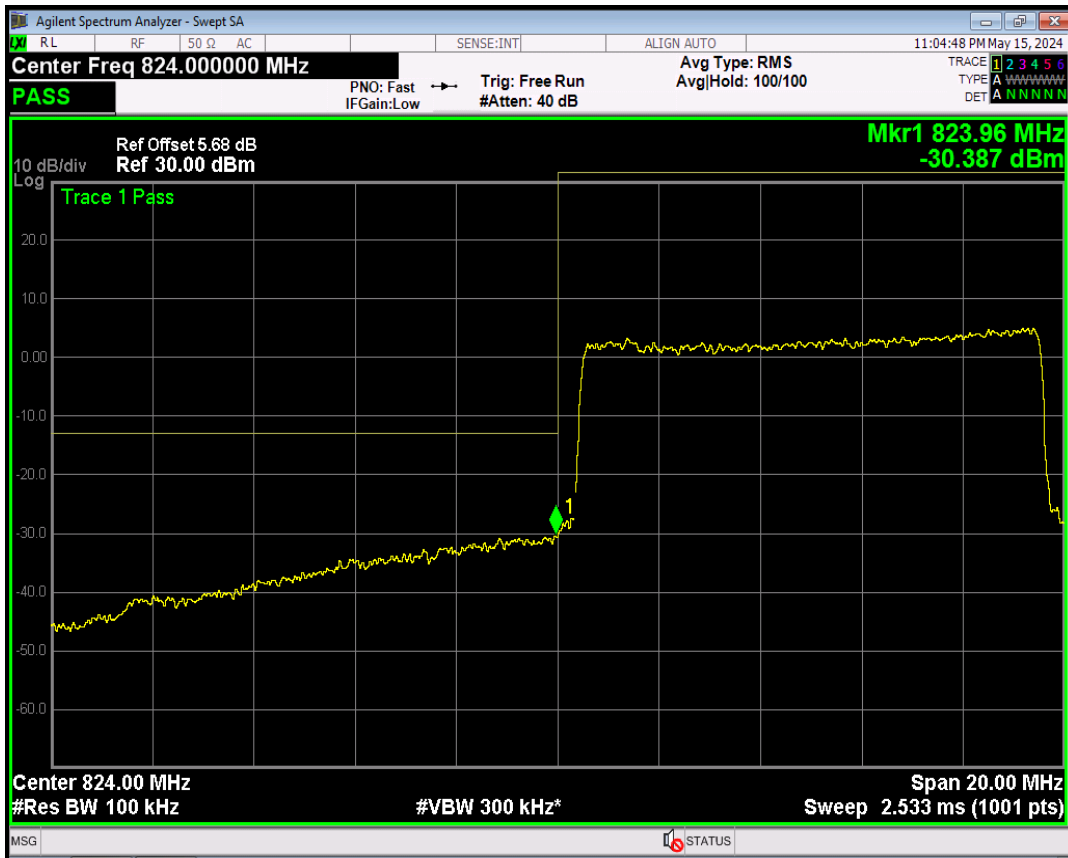


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

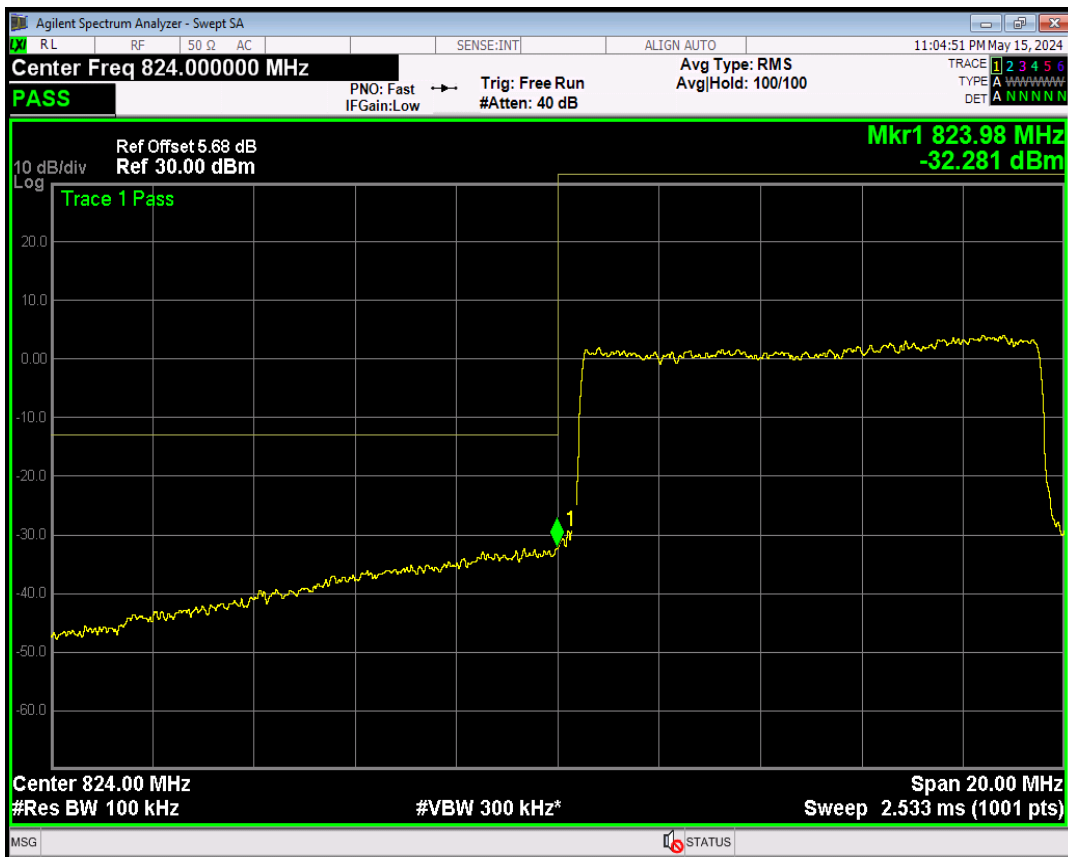


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0





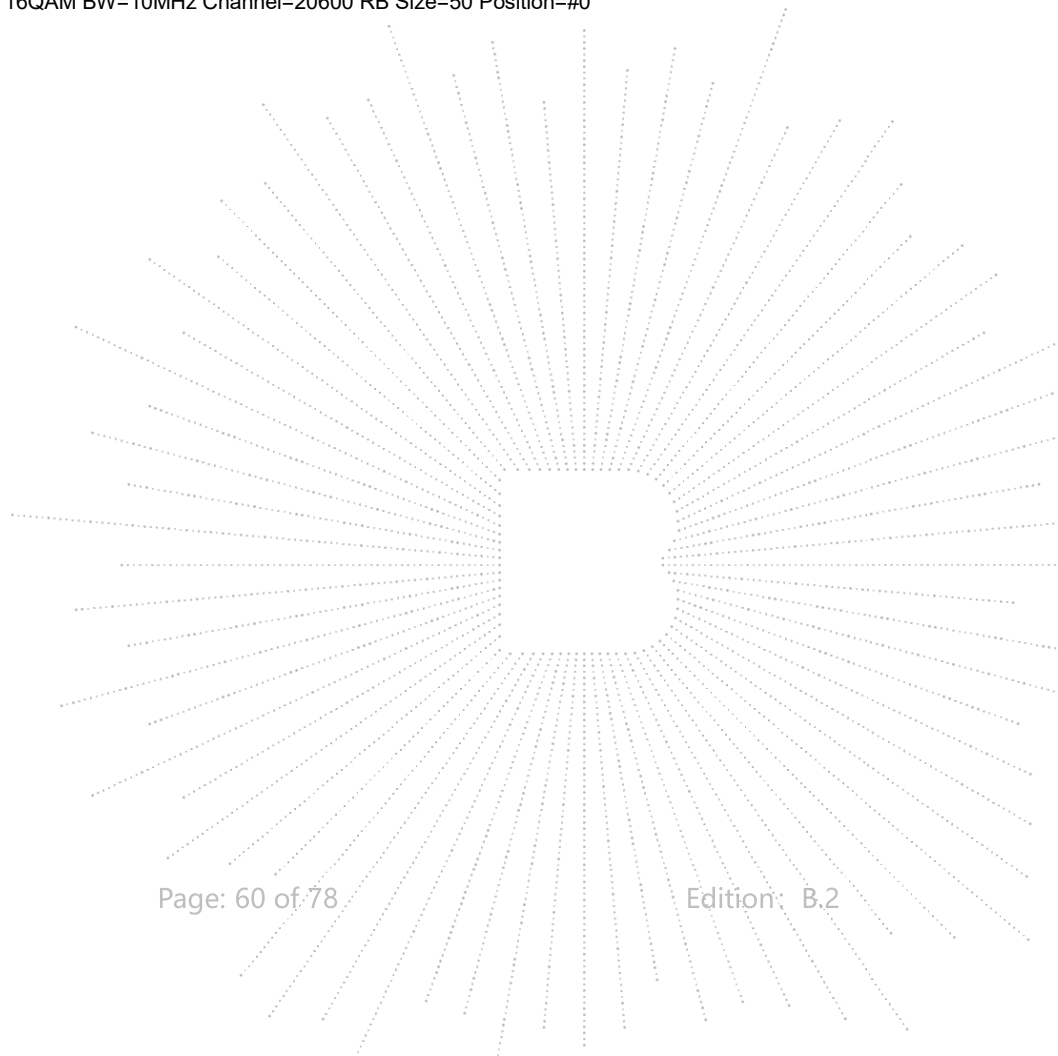
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

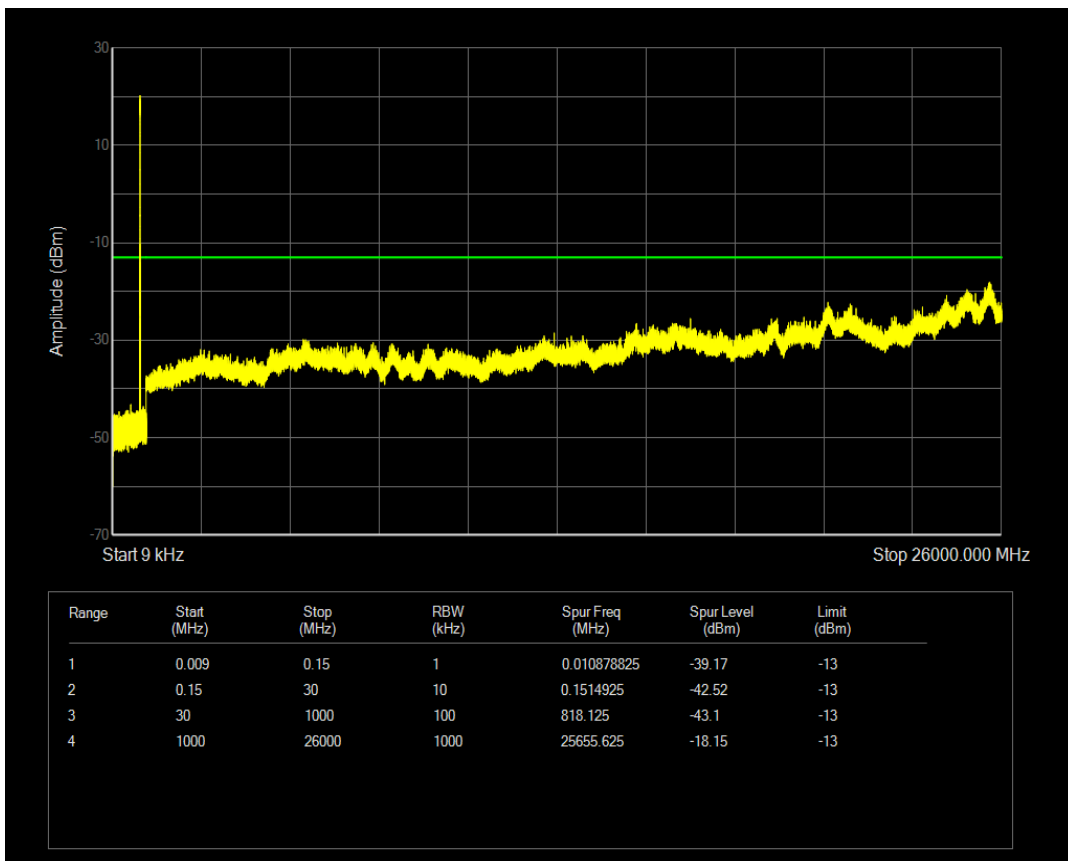




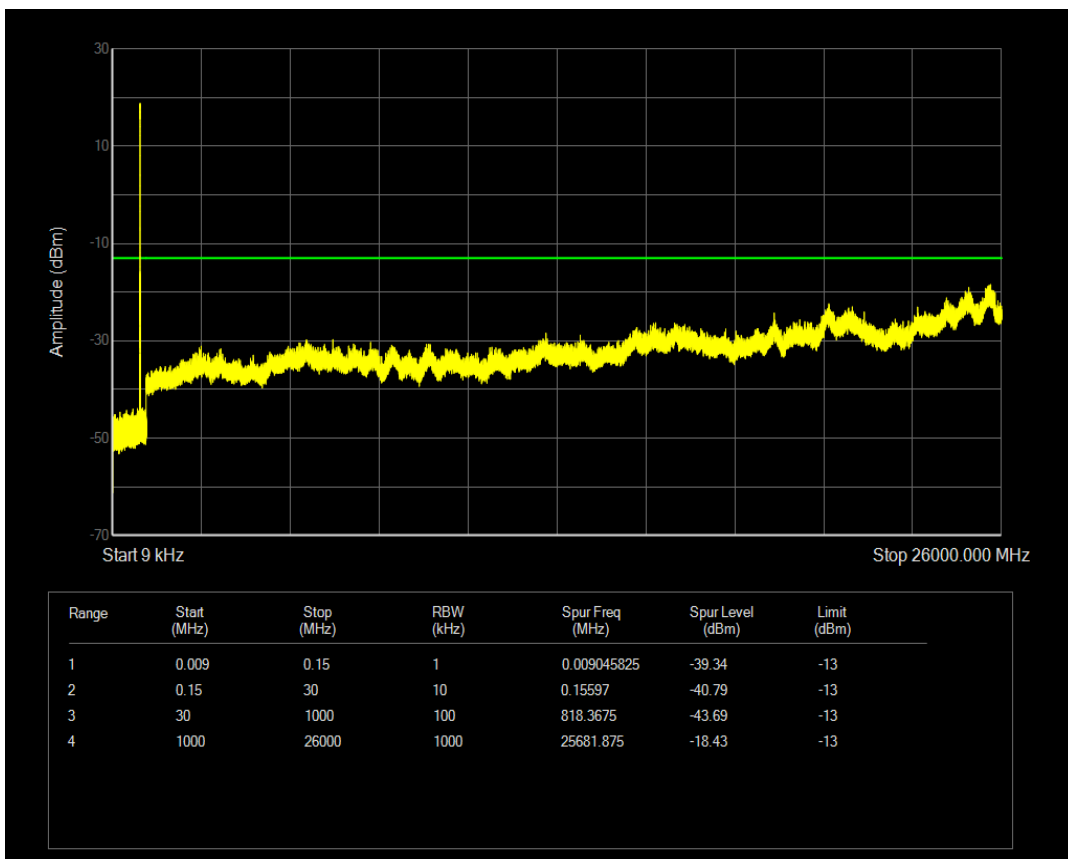
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	25655.63	-18.15	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25681.88	-18.43	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25628.75	-18.56	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25604.38	-17.92	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25639.38	-18.27	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25535.00	-18.47	-13	PASS
Band5	3	20415	15	#0	QPSK	25636.25	-18.30	-13	PASS
Band5	3	20415	15	#0	16QAM	25731.25	-17.38	-13	PASS
Band5	3	20525	15	#0	QPSK	25628.75	-18.16	-13	PASS
Band5	3	20525	15	#0	16QAM	25680.63	-17.75	-13	PASS
Band5	3	20635	15	#0	QPSK	25663.75	-18.06	-13	PASS
Band5	3	20635	15	#0	16QAM	25620.00	-16.83	-13	PASS
Band5	5	20425	25	#0	QPSK	25692.50	-17.91	-13	PASS
Band5	5	20425	25	#0	16QAM	25631.25	-18.20	-13	PASS
Band5	5	20525	25	#0	QPSK	25608.75	-17.96	-13	PASS
Band5	5	20525	25	#0	16QAM	25616.88	-18.64	-13	PASS
Band5	5	20625	25	#0	QPSK	25591.88	-18.15	-13	PASS
Band5	5	20625	25	#0	16QAM	25608.13	-17.70	-13	PASS
Band5	10	20450	50	#0	QPSK	25633.75	-18.17	-13	PASS
Band5	10	20450	50	#0	16QAM	25623.13	-18.13	-13	PASS
Band5	10	20525	50	#0	QPSK	25633.75	-17.61	-13	PASS
Band5	10	20525	50	#0	16QAM	25519.38	-18.02	-13	PASS
Band5	10	20600	50	#0	QPSK	25665.00	-18.26	-13	PASS
Band5	10	20600	50	#0	16QAM	25703.13	-18.16	-13	PASS

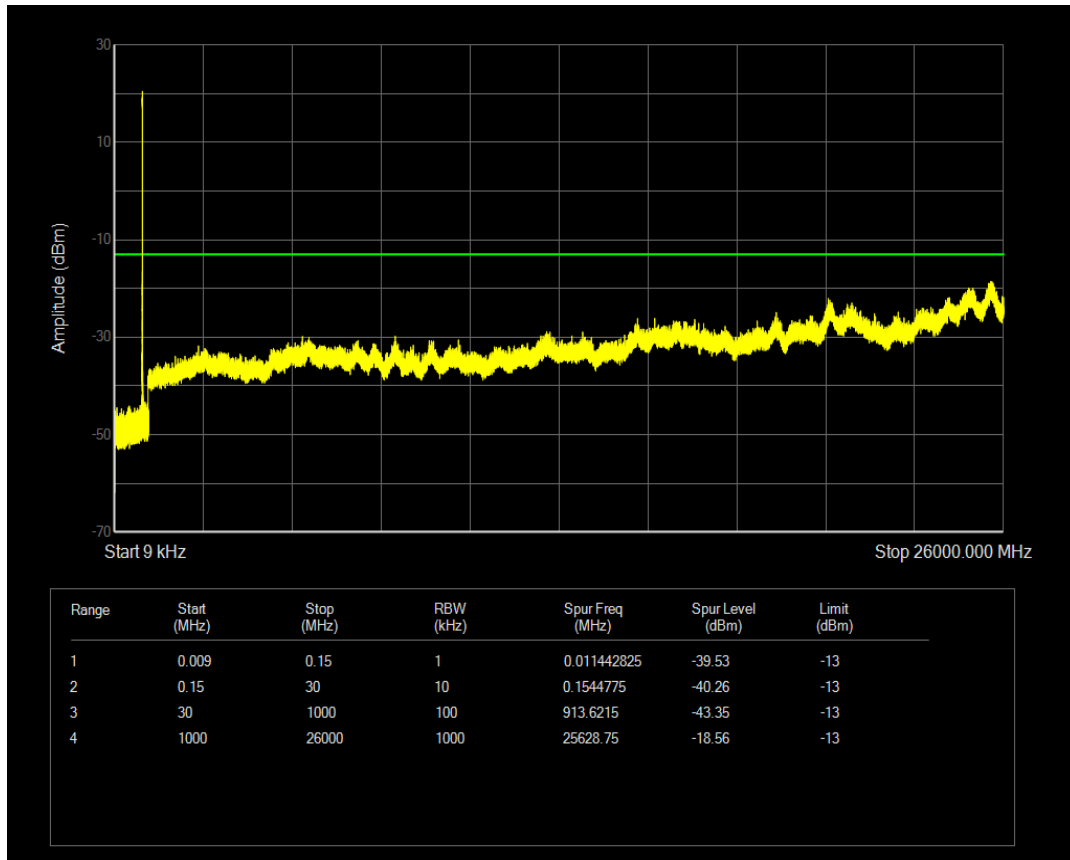
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



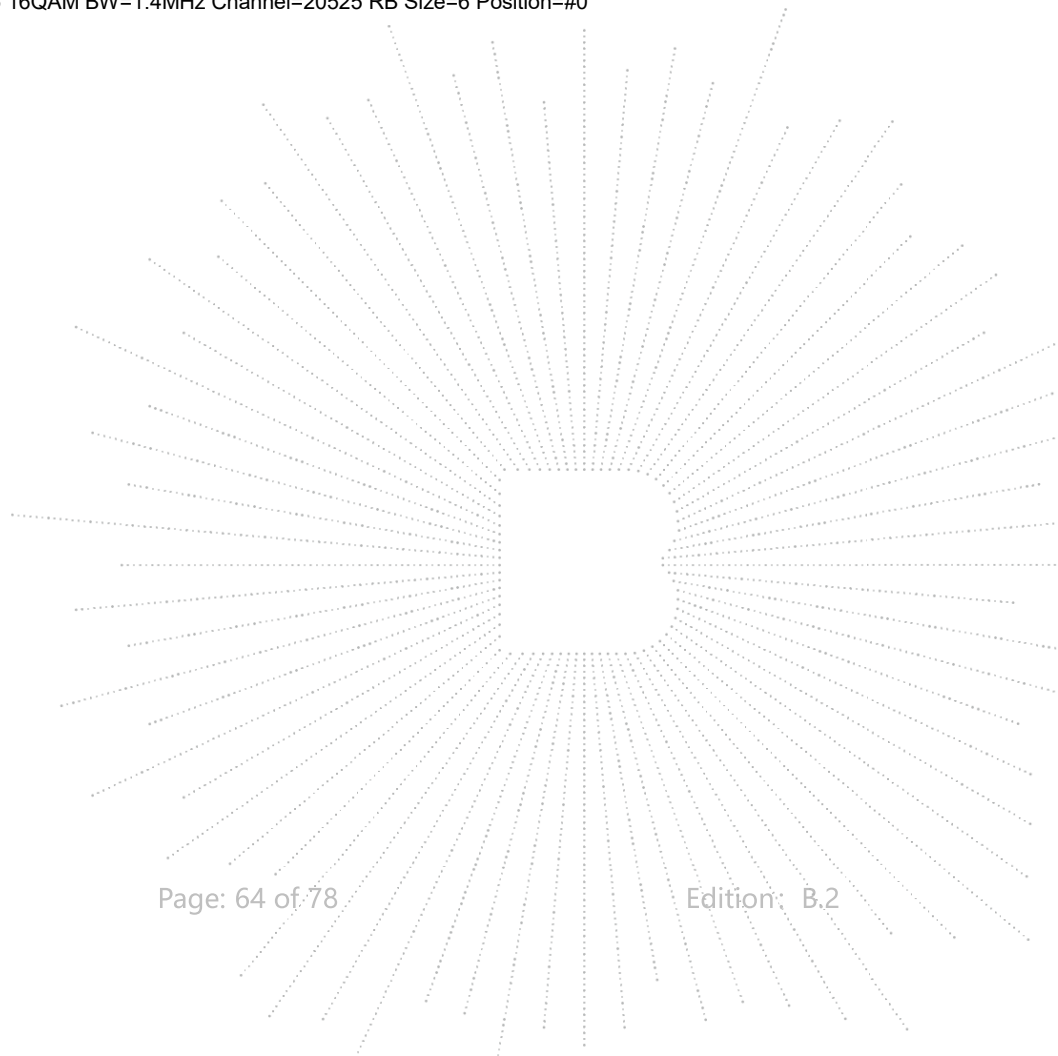
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

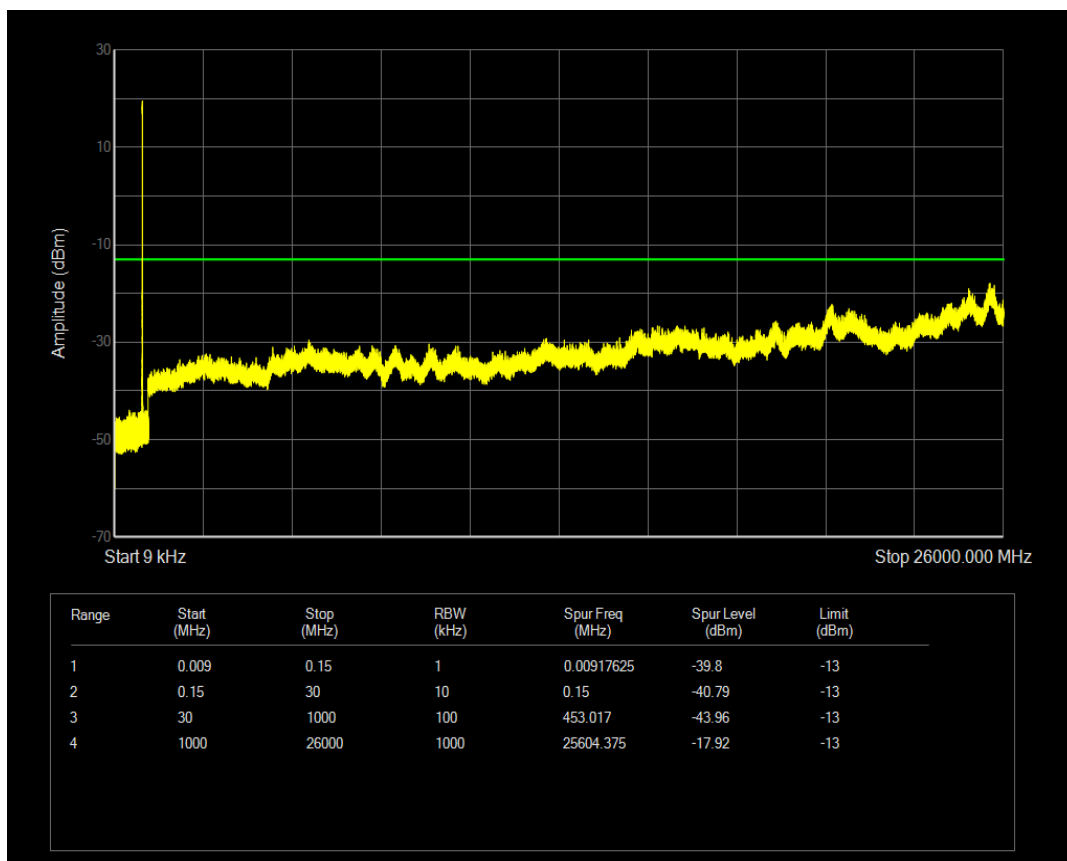


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

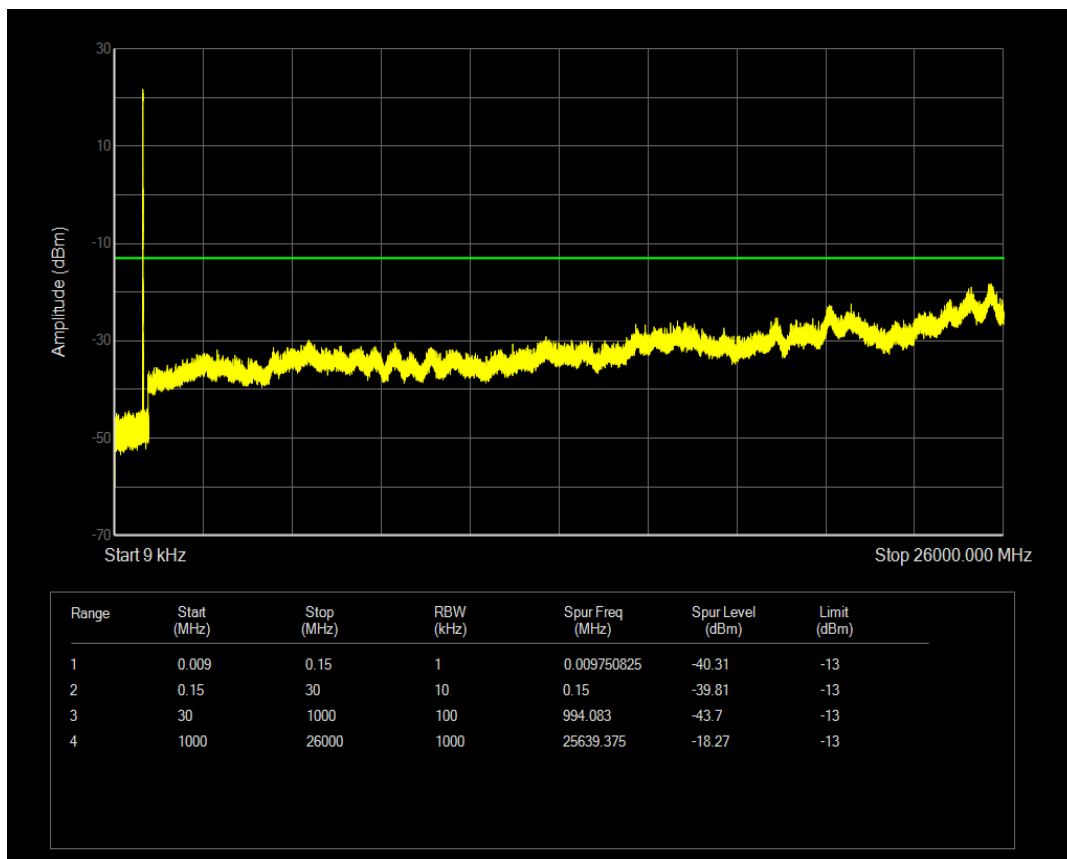


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

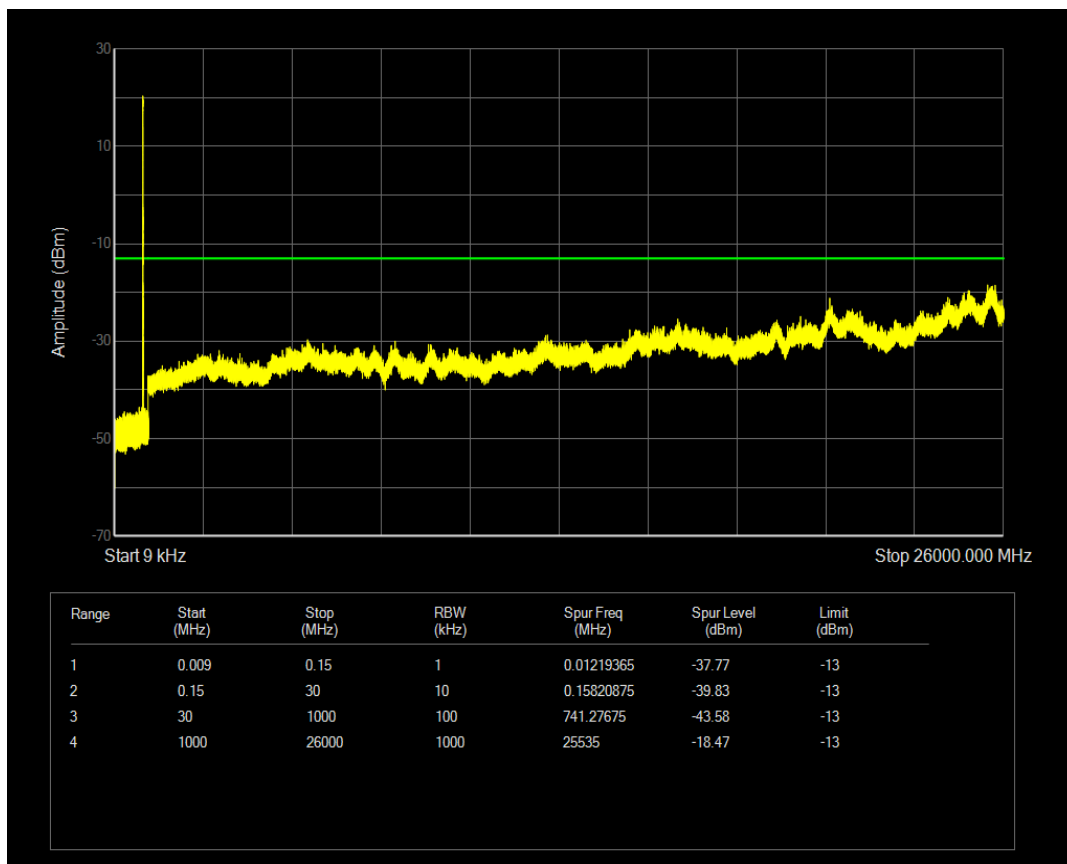




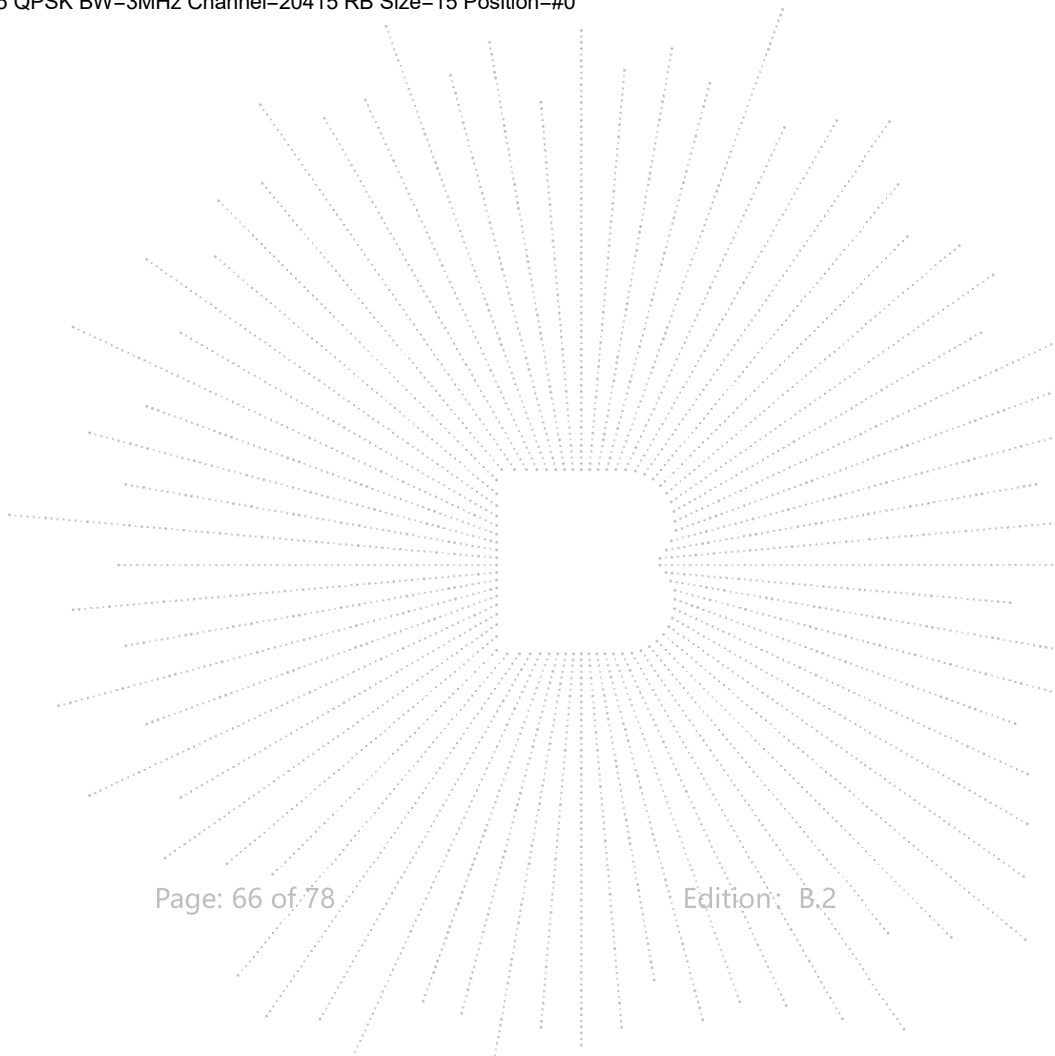
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

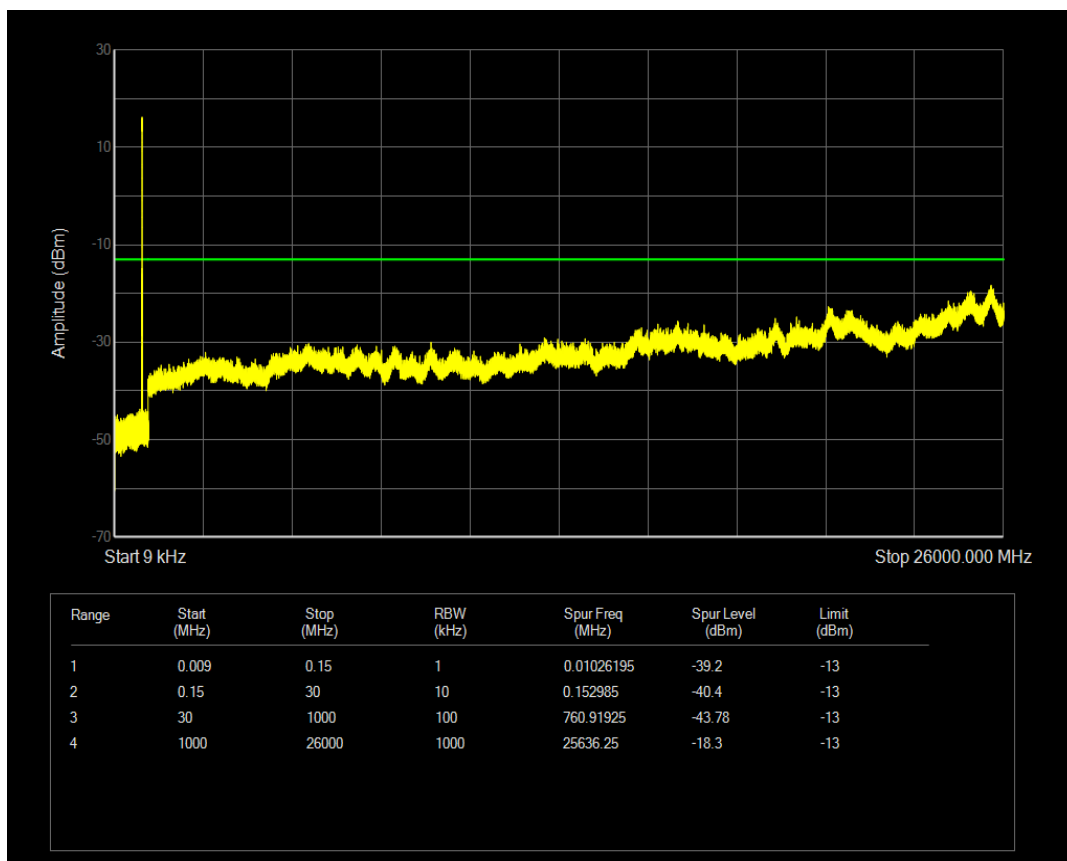


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

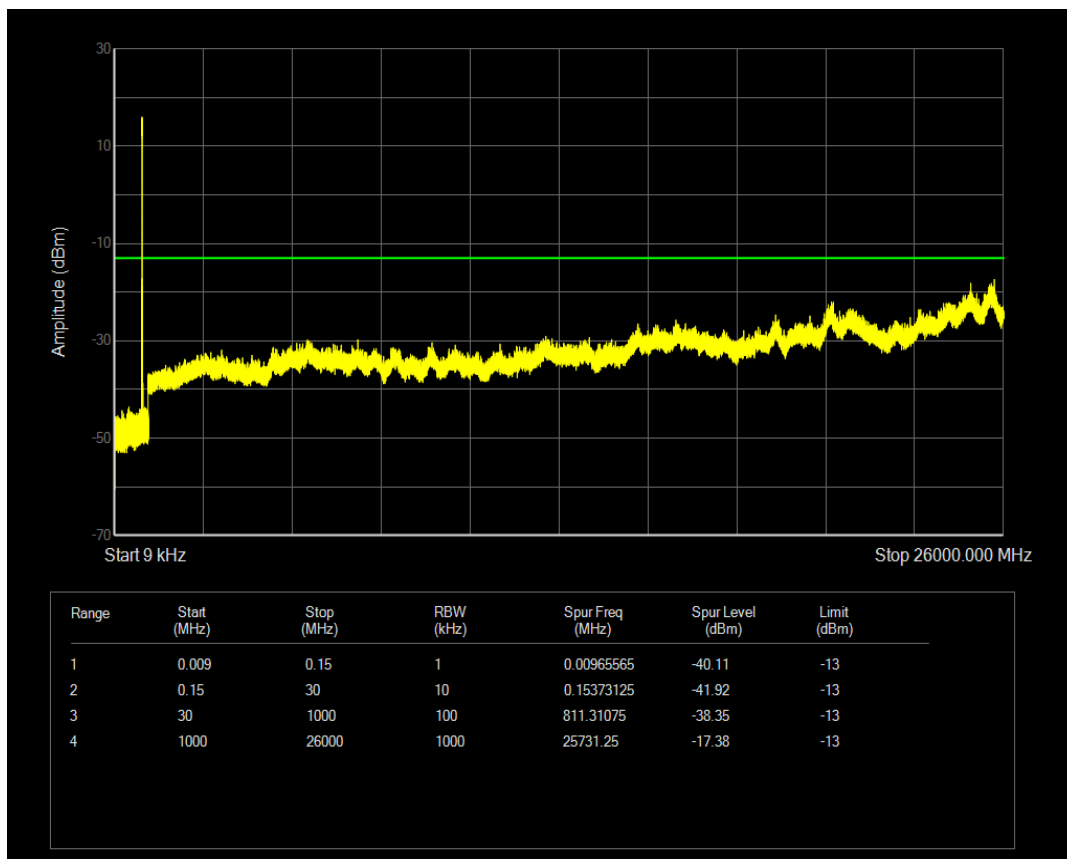


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

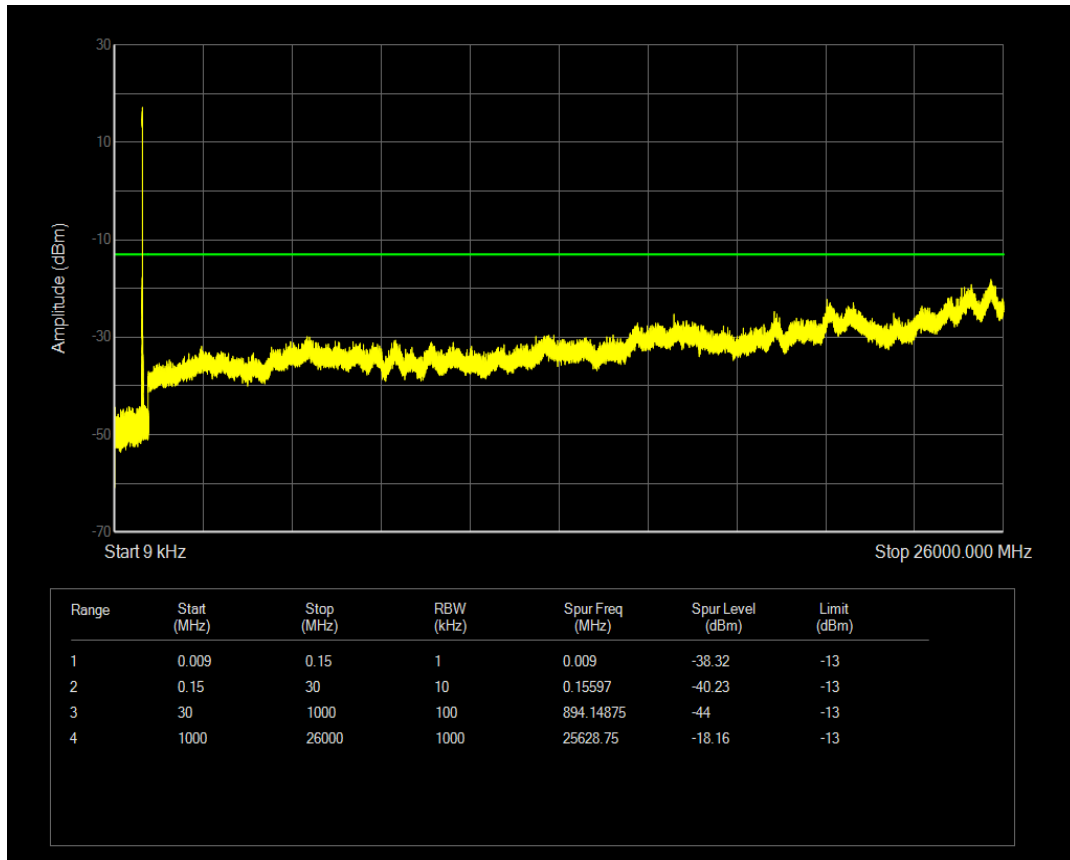




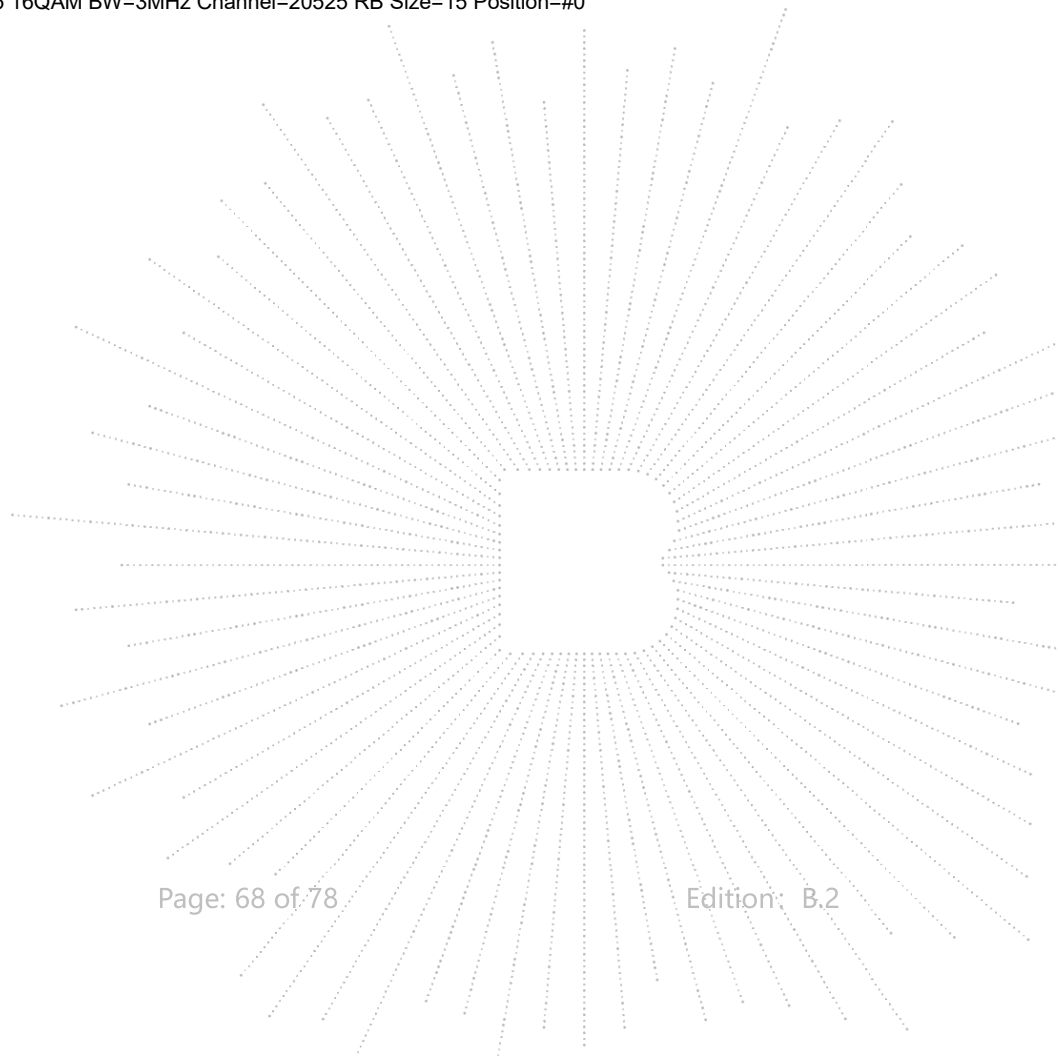
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

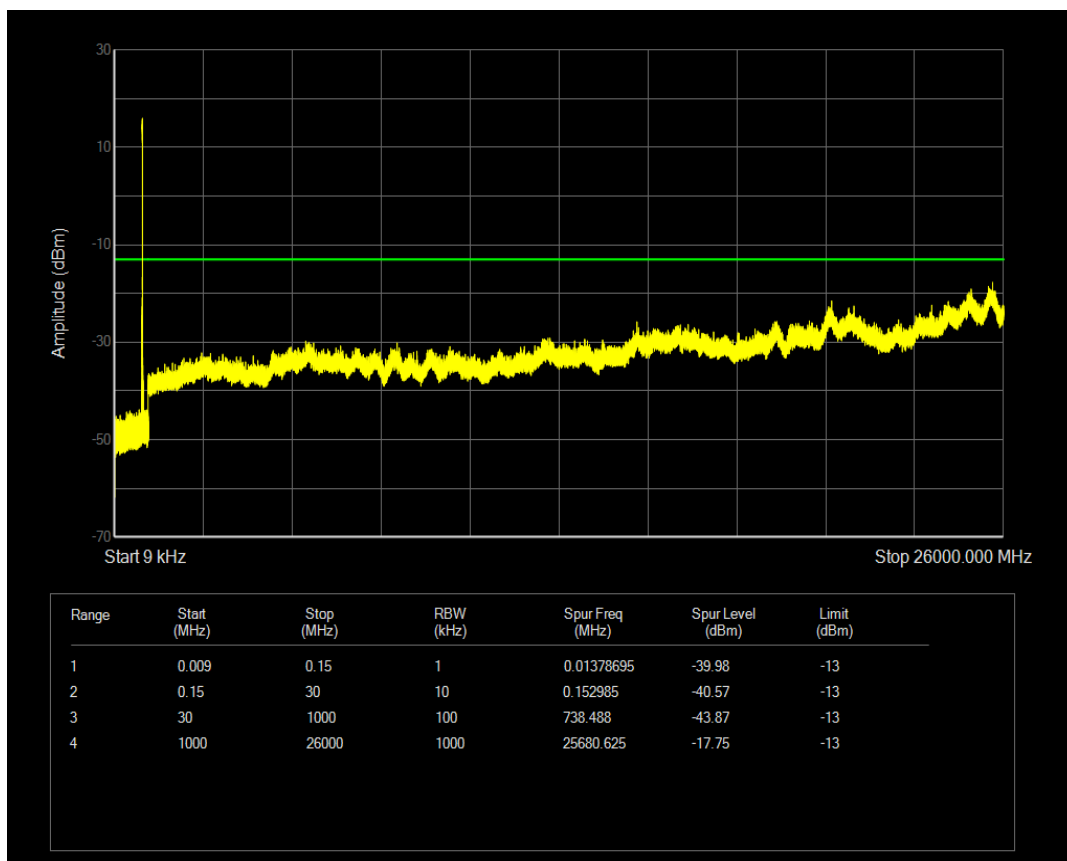


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

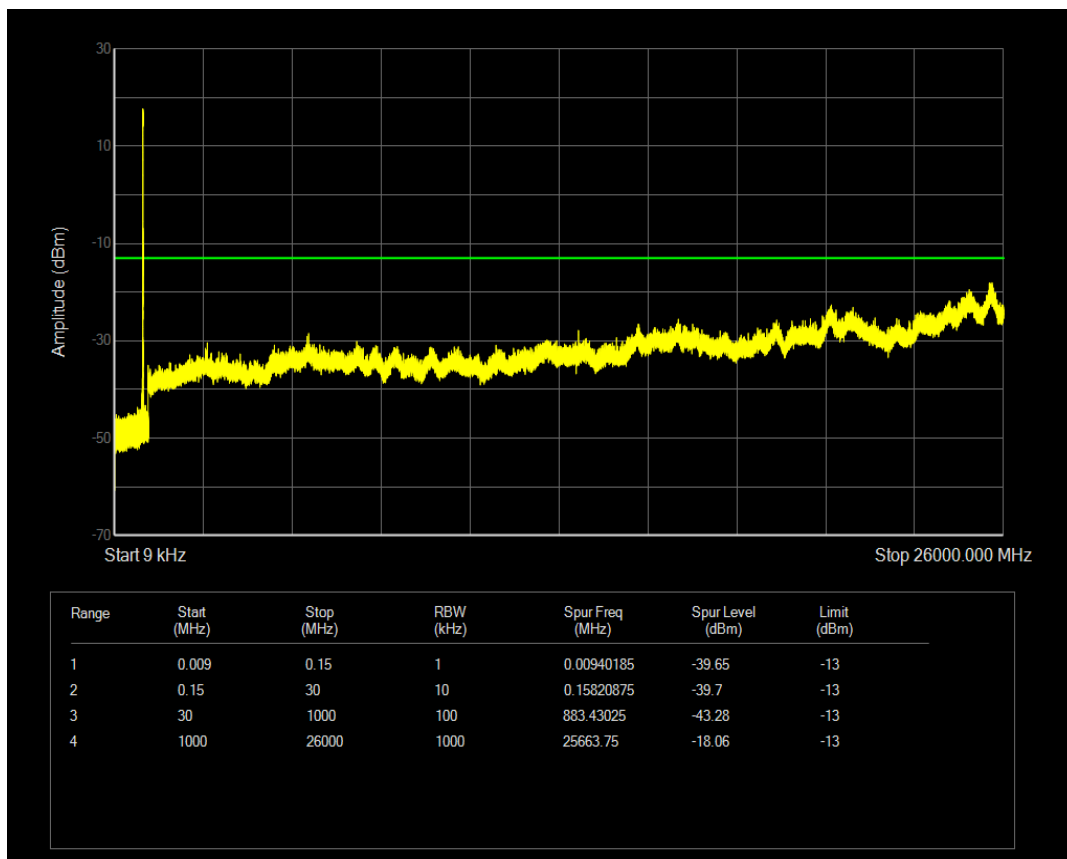


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

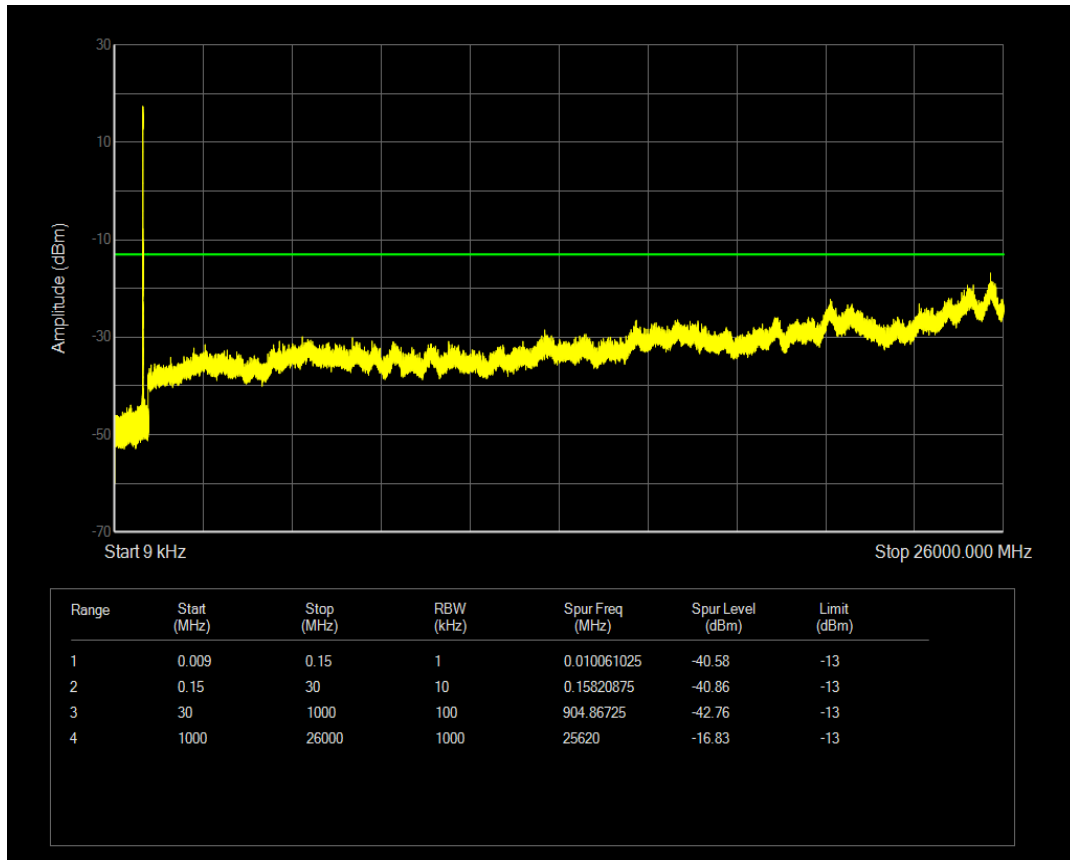




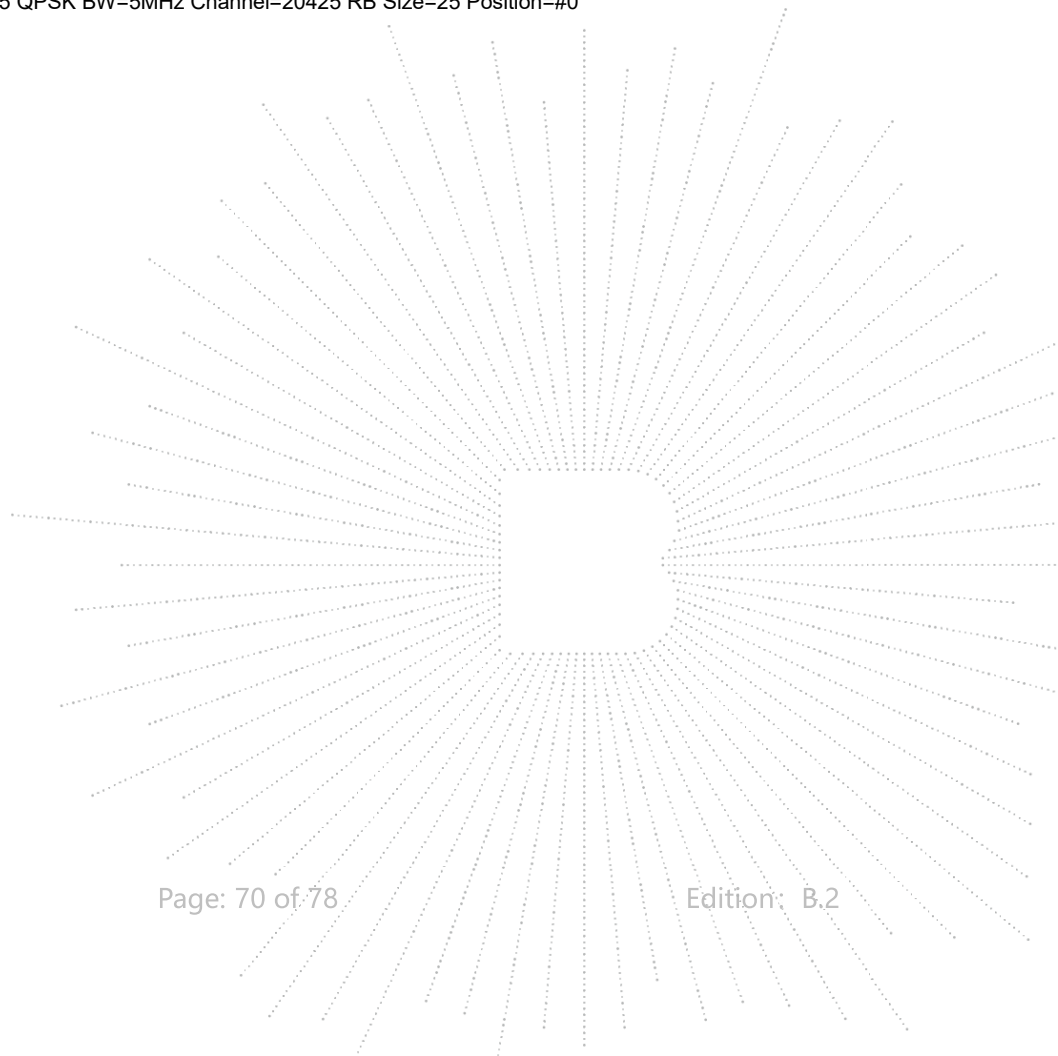
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

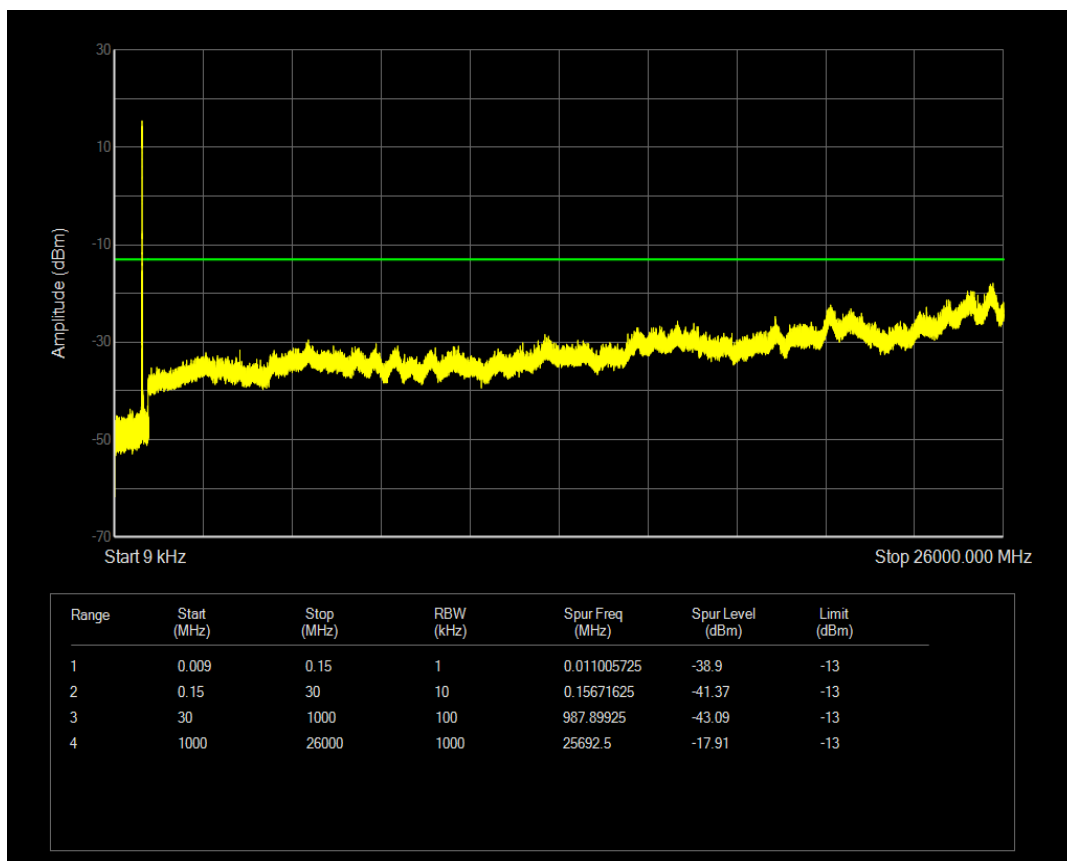


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

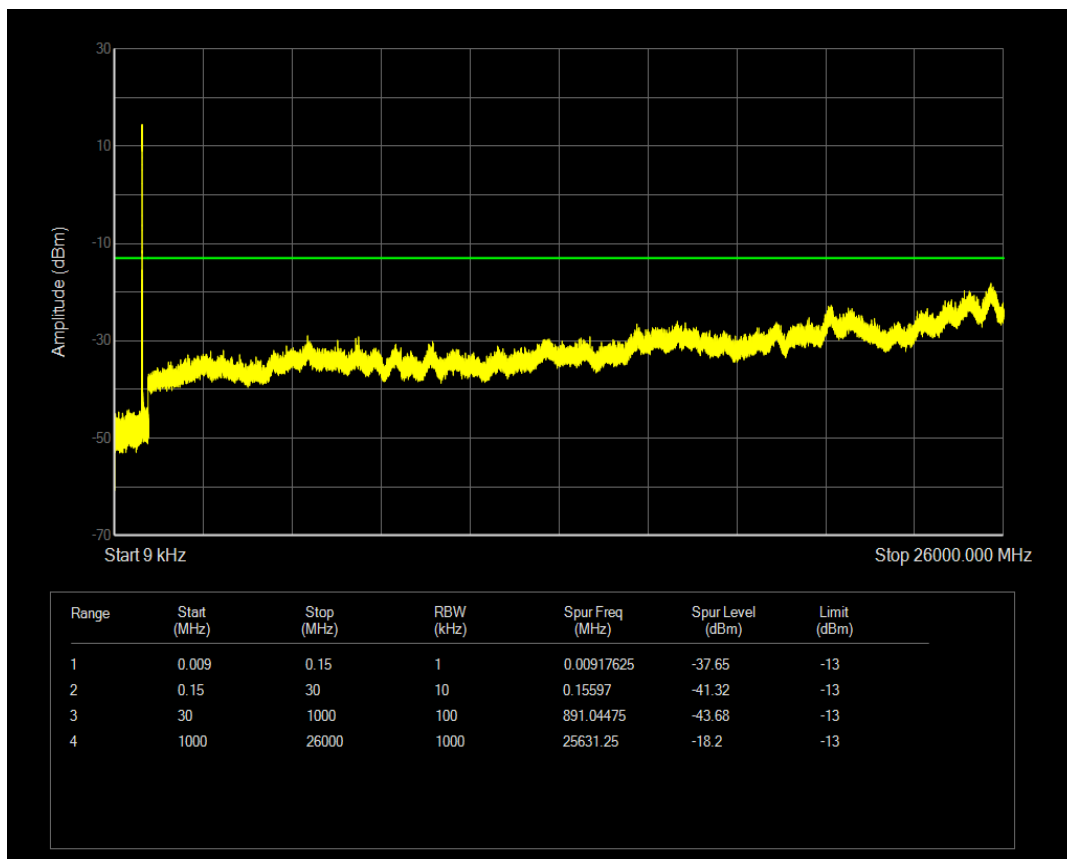


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

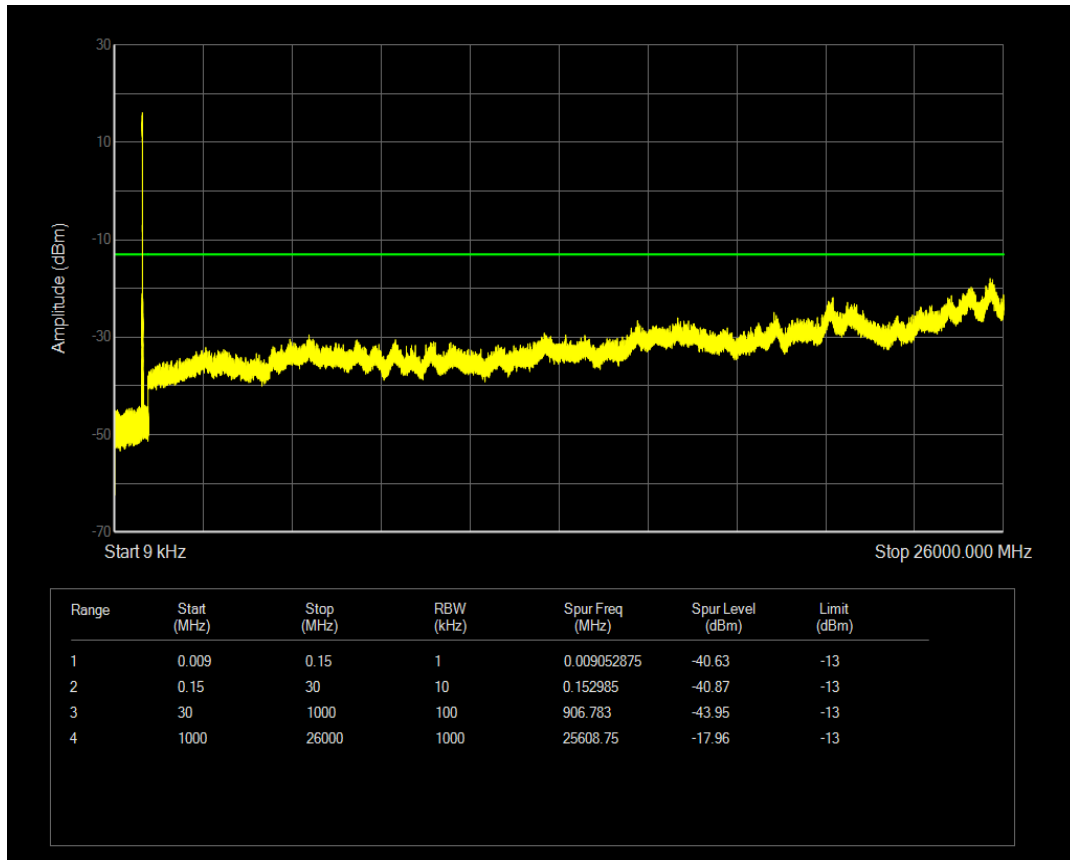




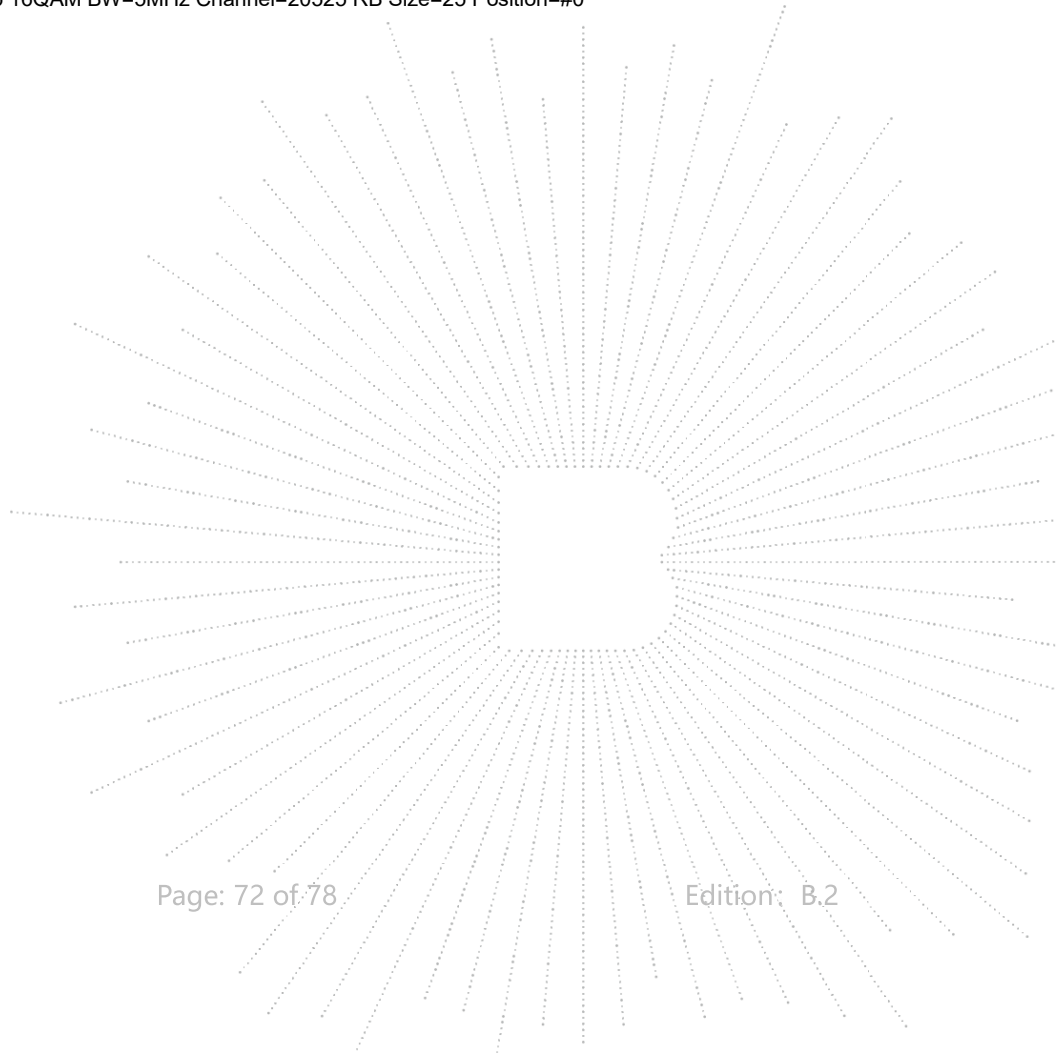
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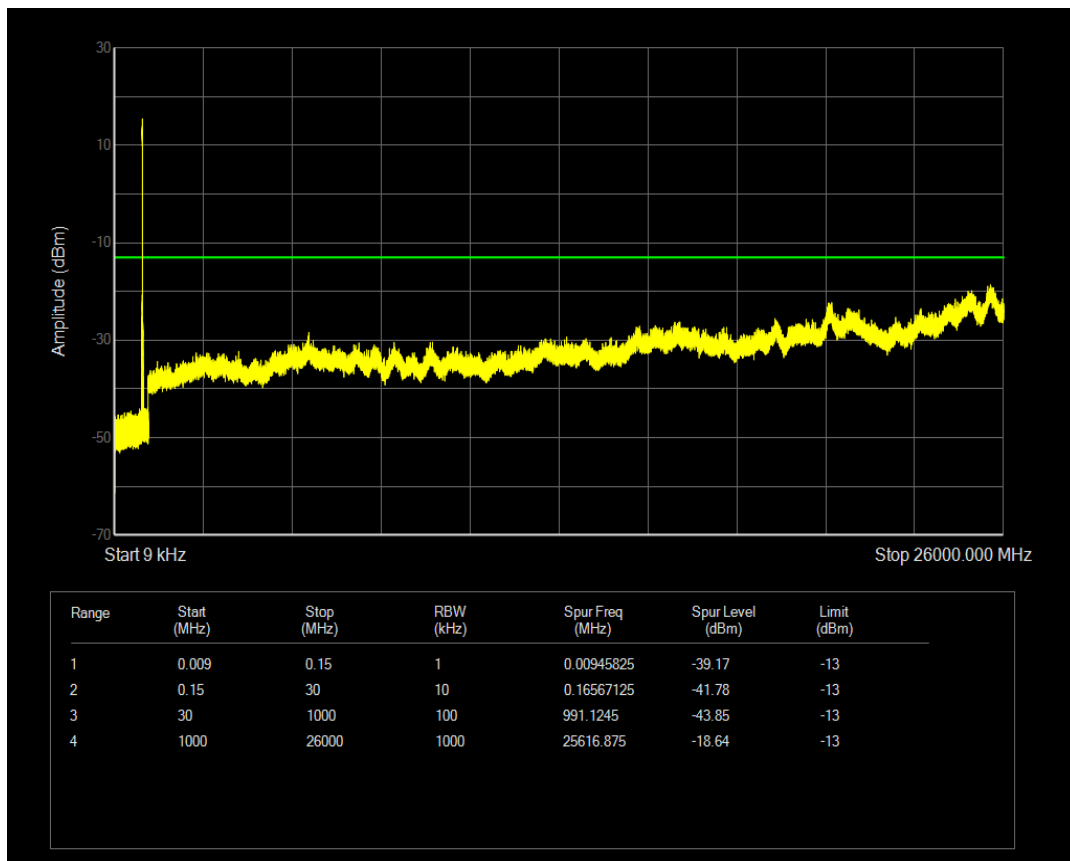


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

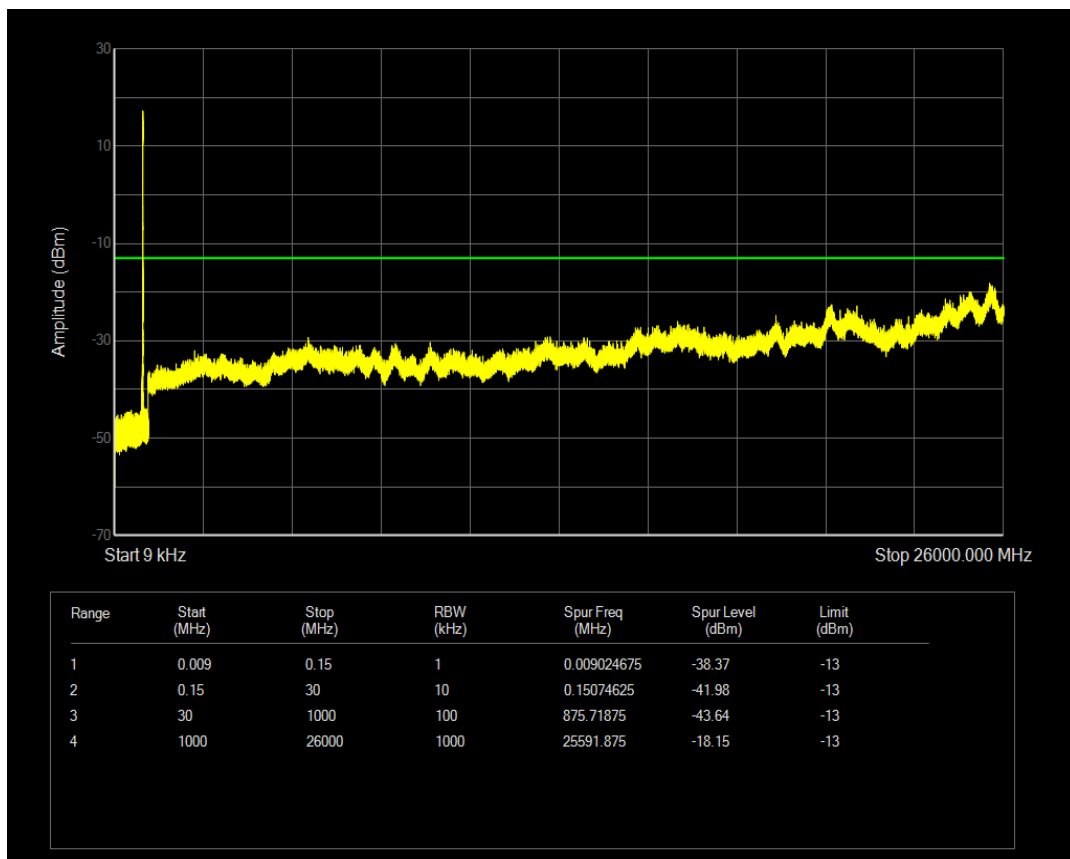


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

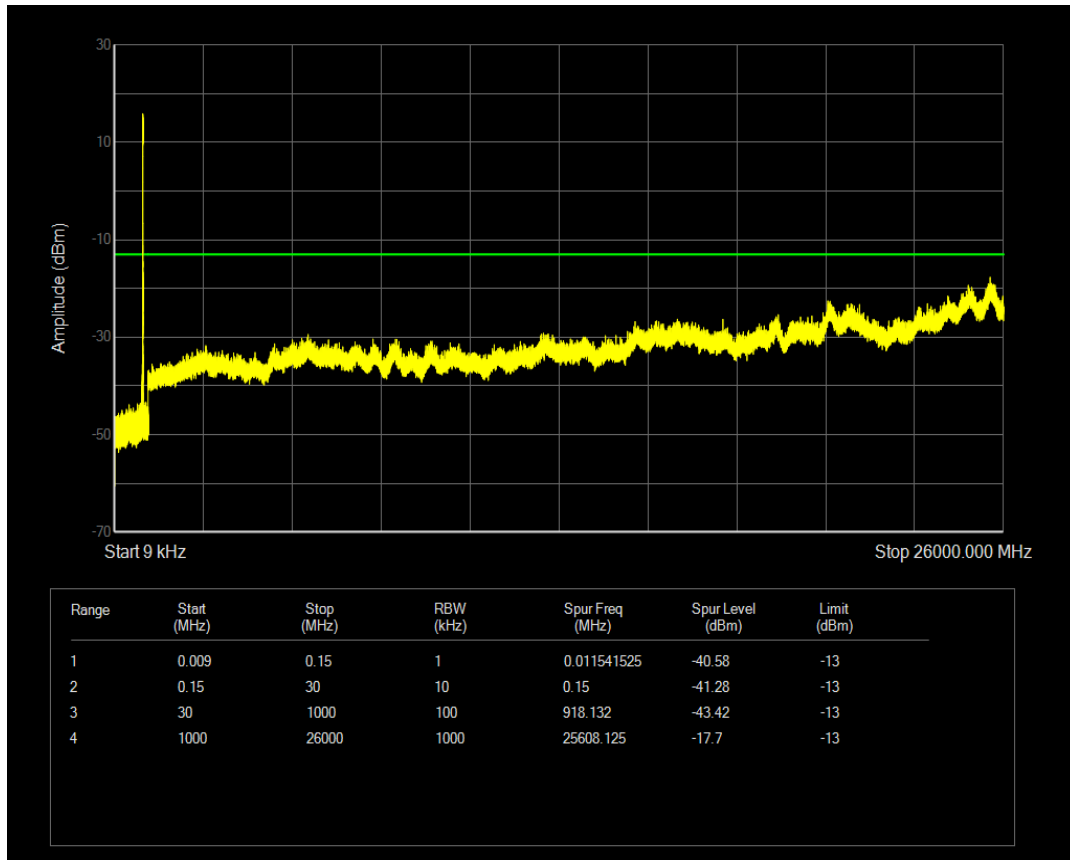




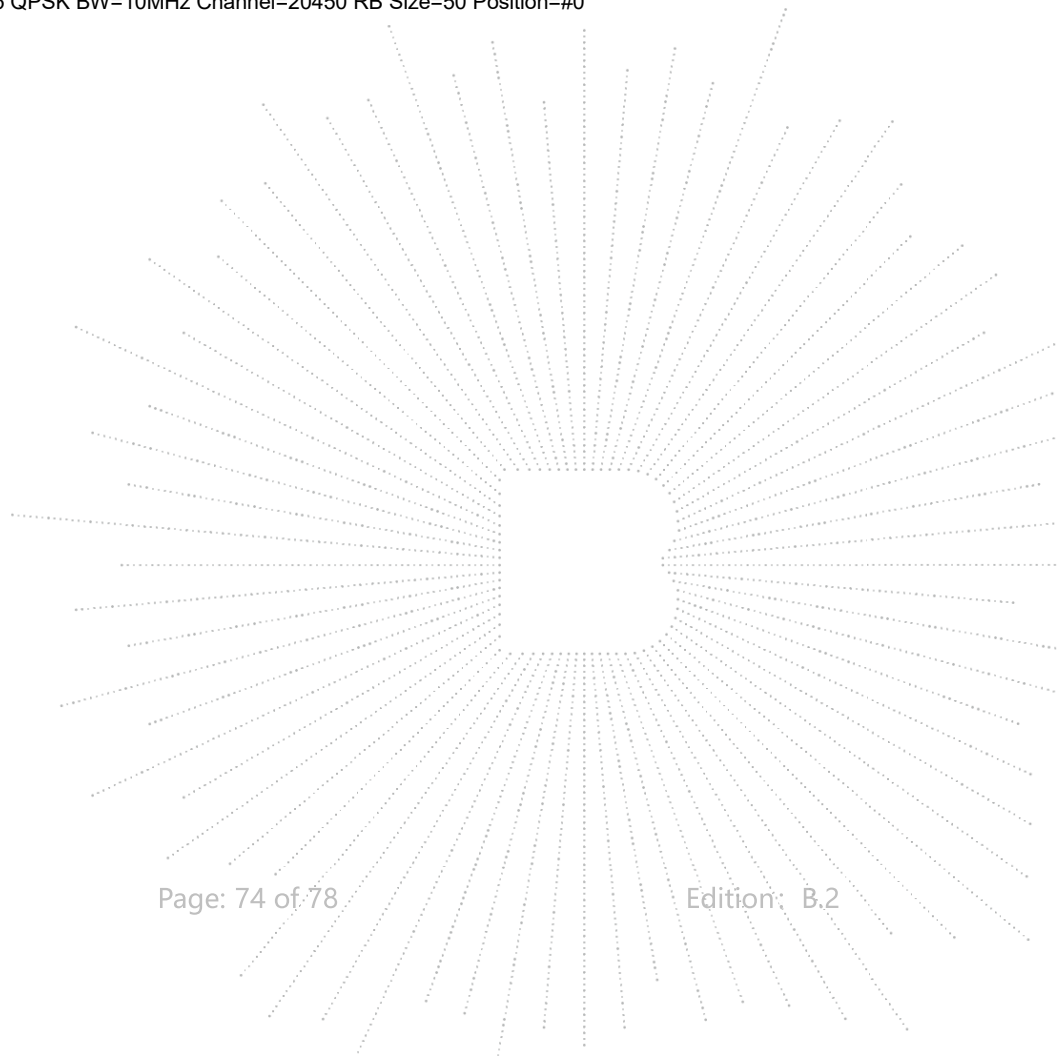
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

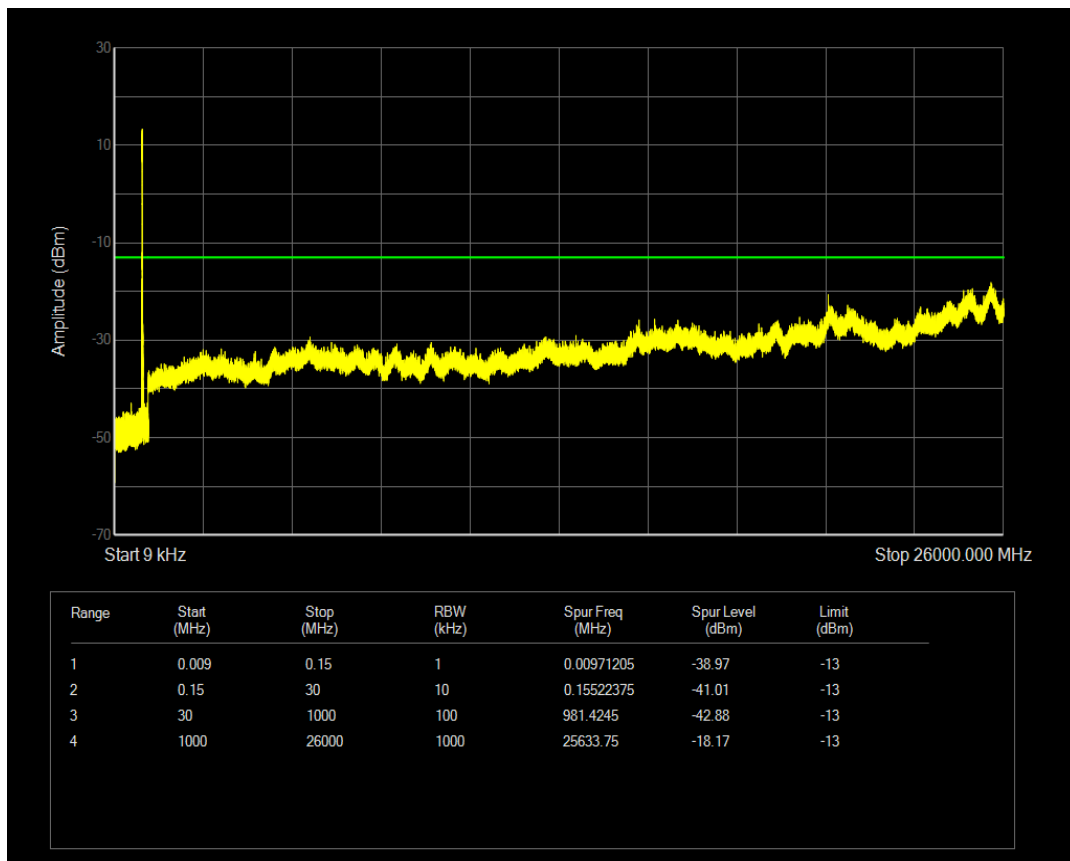


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

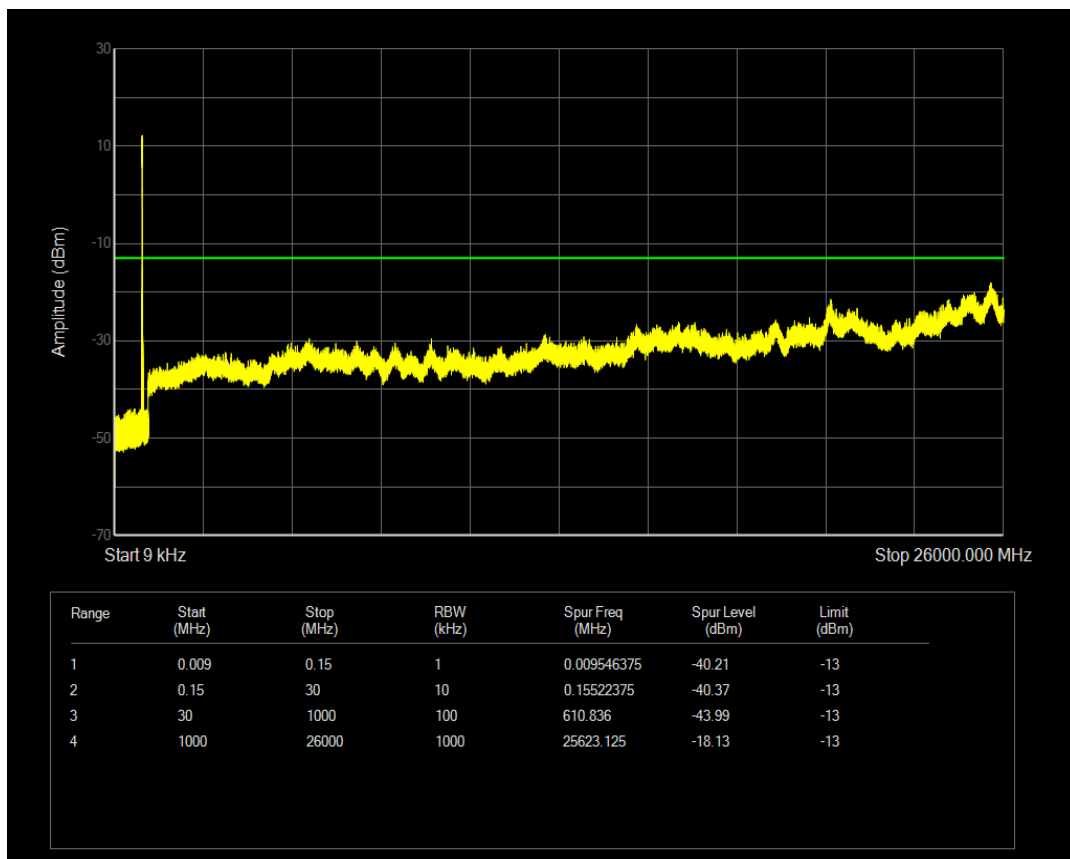


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

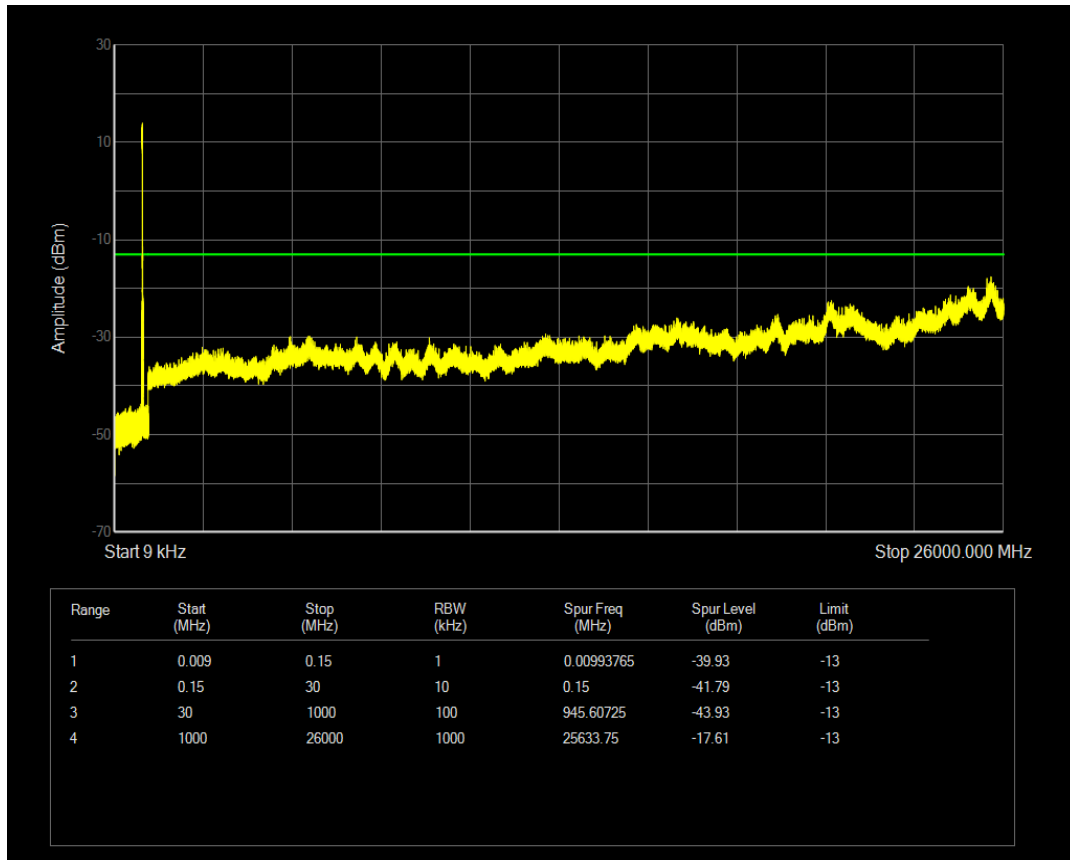




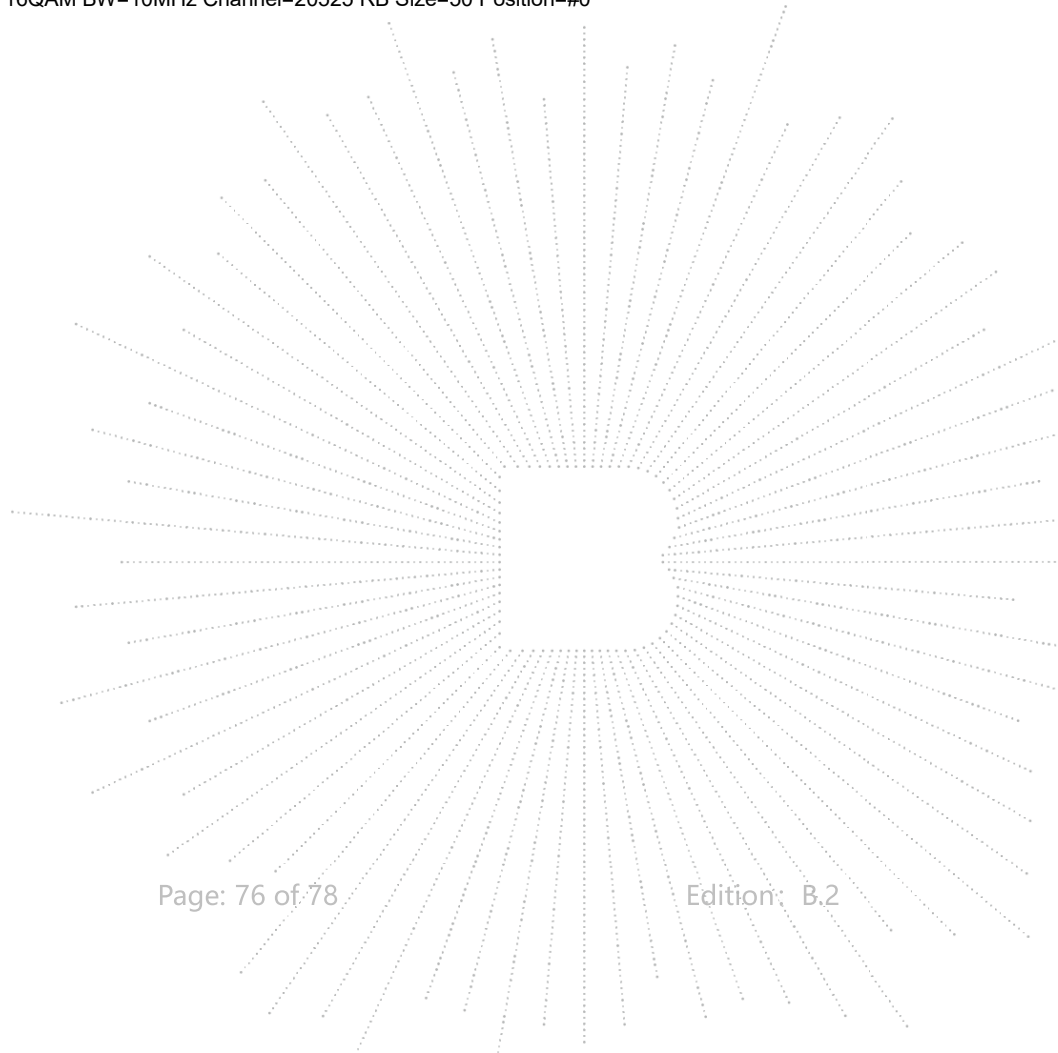
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

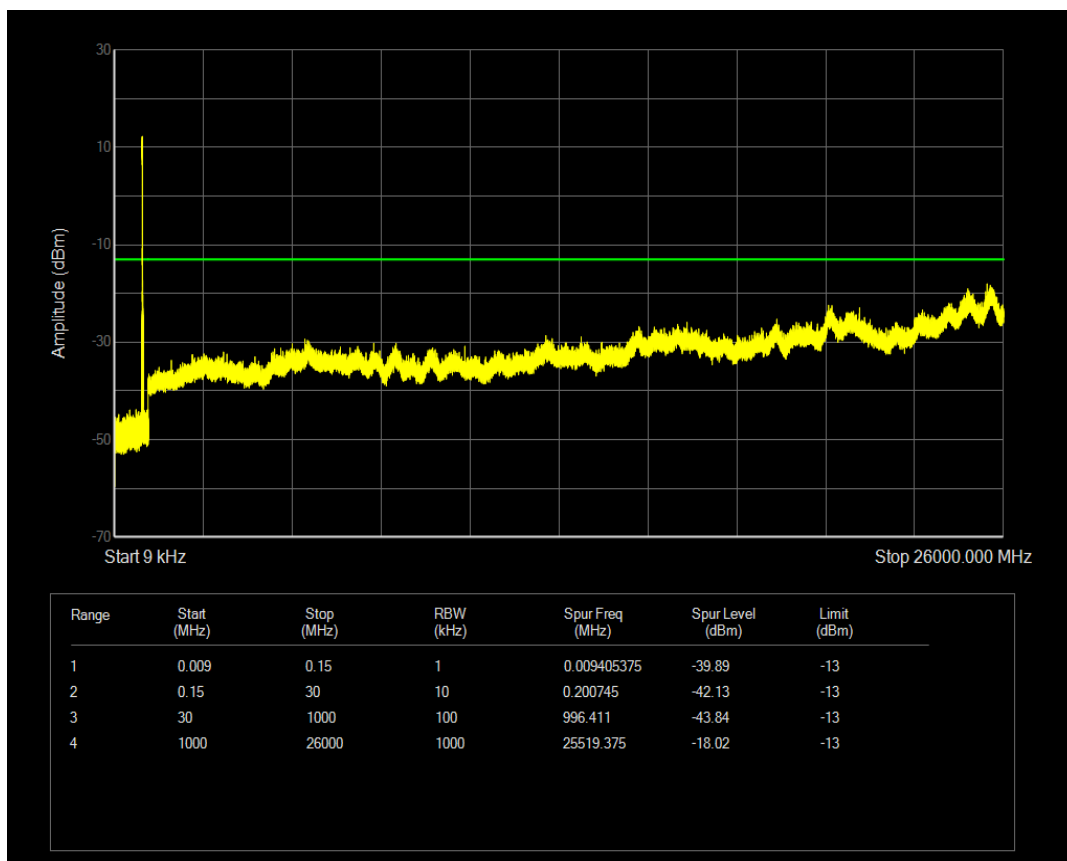


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

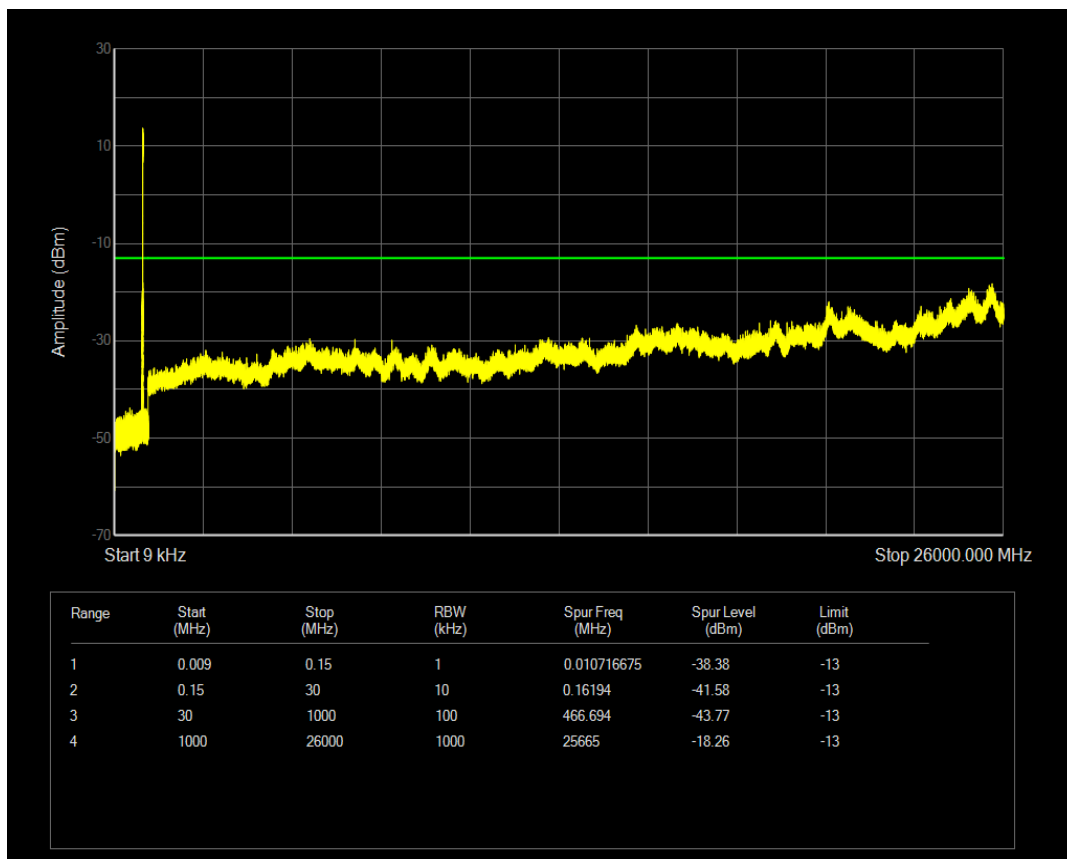


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



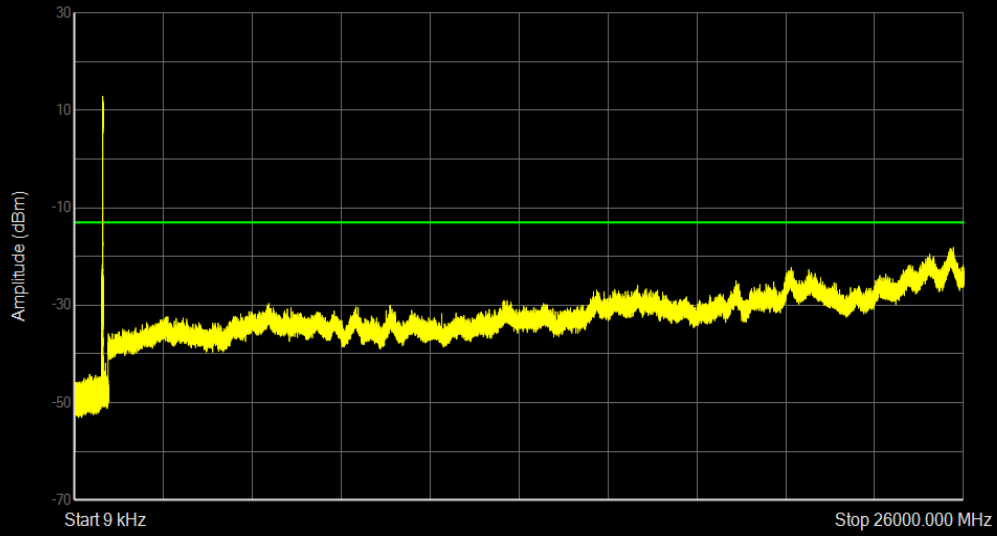


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0162051	-40.78	-13
2	0.15	30	10	0.15373125	-40.34	-13
3	30	1000	100	926.959	-41.89	-13
4	1000	26000	1000	25703.125	-18.16	-13