

Appendix for Band 5

Report No.: BCTC2312704909-5E

Applicant: Shenzhen Swage Electronics Co.,Ltd.

Product Name: Smart watch

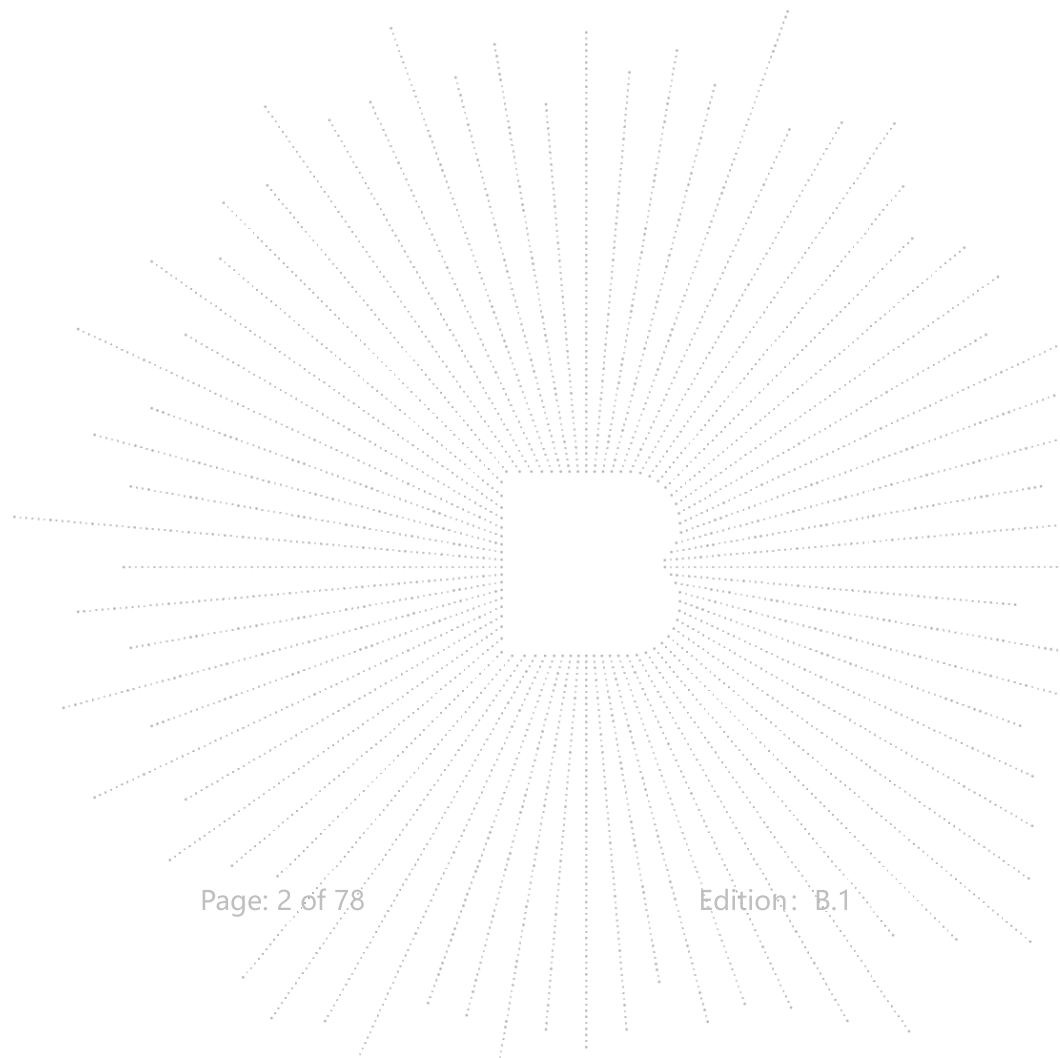
Test Model: D10

Tested Date: 2023-12-04 to 2023-12-18

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

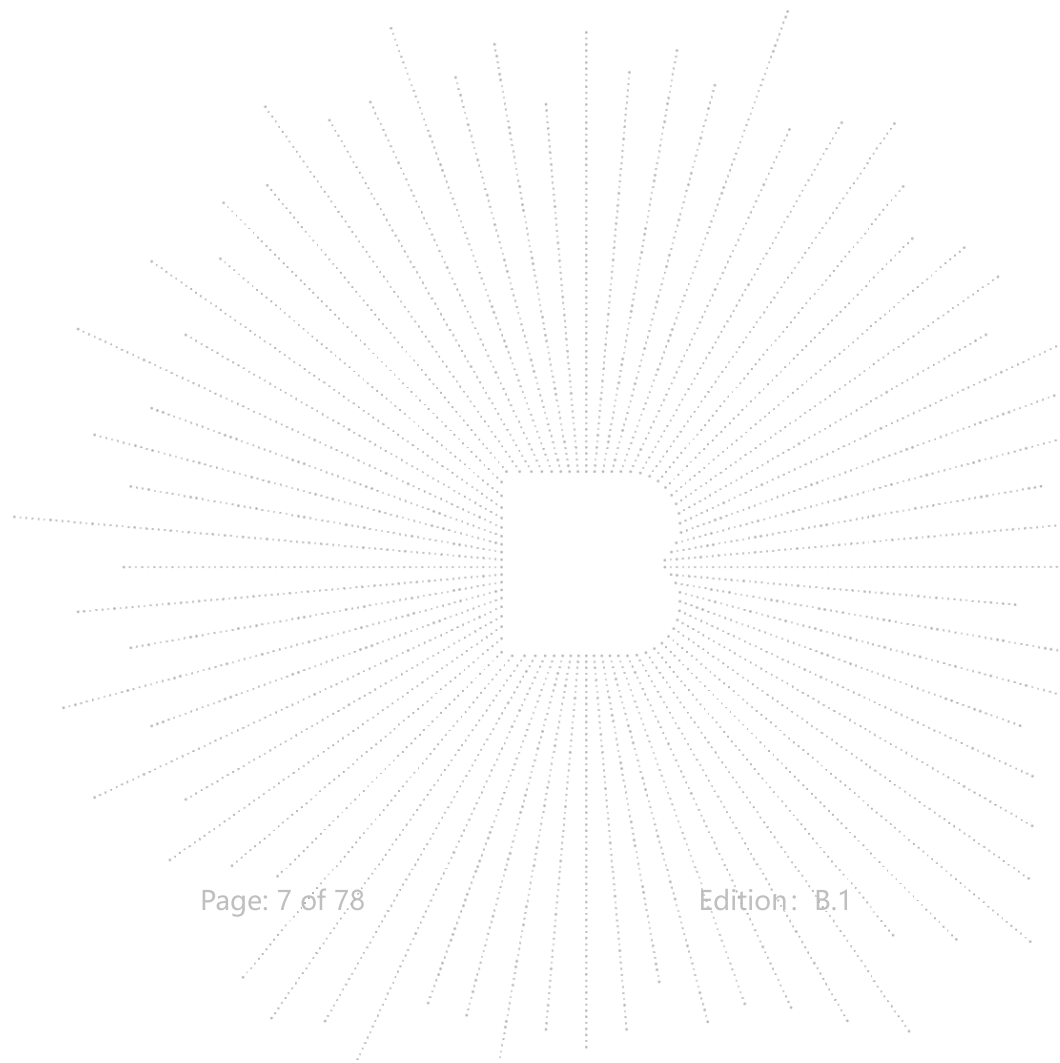
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	22.35	0.94	21.14	PASS
Band5	1.4	20407	1	#Mid	QPSK	22.41	0.94	21.20	PASS
Band5	1.4	20407	1	#Max	QPSK	22.32	0.94	21.11	PASS
Band5	1.4	20407	3	#0	QPSK	22.31	0.94	21.10	PASS
Band5	1.4	20407	3	#Mid	QPSK	22.38	0.94	21.17	PASS
Band5	1.4	20407	3	#Max	QPSK	22.32	0.94	21.11	PASS
Band5	1.4	20407	6	#0	QPSK	21.32	0.94	20.11	PASS
Band5	1.4	20407	1	#0	16QAM	21.38	0.94	20.17	PASS
Band5	1.4	20407	1	#Mid	16QAM	21.24	0.94	20.03	PASS
Band5	1.4	20407	1	#Max	16QAM	21.13	0.94	19.92	PASS
Band5	1.4	20407	3	#0	16QAM	21.23	0.94	20.02	PASS
Band5	1.4	20407	3	#Mid	16QAM	21.31	0.94	20.10	PASS
Band5	1.4	20407	3	#Max	16QAM	21.27	0.94	20.06	PASS
Band5	1.4	20407	6	#0	16QAM	20.43	0.94	19.22	PASS
Band5	1.4	20525	1	#0	QPSK	22.22	0.94	21.01	PASS
Band5	1.4	20525	1	#Mid	QPSK	22.39	0.94	21.18	PASS
Band5	1.4	20525	1	#Max	QPSK	22.37	0.94	21.16	PASS
Band5	1.4	20525	3	#0	QPSK	22.13	0.94	20.92	PASS
Band5	1.4	20525	3	#Mid	QPSK	22.18	0.94	20.97	PASS
Band5	1.4	20525	3	#Max	QPSK	22.14	0.94	20.93	PASS
Band5	1.4	20525	6	#0	QPSK	20.99	0.94	19.78	PASS
Band5	1.4	20525	1	#0	16QAM	21.89	0.94	20.68	PASS
Band5	1.4	20525	1	#Mid	16QAM	21.67	0.94	20.46	PASS
Band5	1.4	20525	1	#Max	16QAM	21.73	0.94	20.52	PASS
Band5	1.4	20525	3	#0	16QAM	21.44	0.94	20.23	PASS
Band5	1.4	20525	3	#Mid	16QAM	21.33	0.94	20.12	PASS
Band5	1.4	20525	3	#Max	16QAM	21.30	0.94	20.09	PASS
Band5	1.4	20525	6	#0	16QAM	20.09	0.94	18.88	PASS
Band5	1.4	20643	1	#0	QPSK	22.35	0.94	21.14	PASS
Band5	1.4	20643	1	#Mid	QPSK	22.42	0.94	21.21	PASS
Band5	1.4	20643	1	#Max	QPSK	22.42	0.94	21.21	PASS
Band5	1.4	20643	3	#0	QPSK	22.28	0.94	21.07	PASS
Band5	1.4	20643	3	#Mid	QPSK	22.34	0.94	21.13	PASS
Band5	1.4	20643	3	#Max	QPSK	22.24	0.94	21.03	PASS
Band5	1.4	20643	6	#0	QPSK	21.22	0.94	20.01	PASS
Band5	1.4	20643	1	#0	16QAM	22.47	0.94	21.26	PASS
Band5	1.4	20643	1	#Mid	16QAM	22.62	0.94	21.41	PASS

Band5	1.4	20643	1	#Max	16QAM	22.63	0.94	21.42	PASS
Band5	1.4	20643	3	#0	16QAM	21.59	0.94	20.38	PASS
Band5	1.4	20643	3	#Mid	16QAM	21.63	0.94	20.42	PASS
Band5	1.4	20643	3	#Max	16QAM	21.69	0.94	20.48	PASS
Band5	1.4	20643	6	#0	16QAM	20.33	0.94	19.12	PASS
Band5	3	20415	1	#0	QPSK	22.34	0.94	21.13	PASS
Band5	3	20415	1	#Mid	QPSK	22.39	0.94	21.18	PASS
Band5	3	20415	1	#Max	QPSK	22.14	0.94	20.93	PASS
Band5	3	20415	8	#0	QPSK	21.39	0.94	20.18	PASS
Band5	3	20415	8	#Mid	QPSK	21.28	0.94	20.07	PASS
Band5	3	20415	8	#Max	QPSK	20.98	0.94	19.77	PASS
Band5	3	20415	15	#0	QPSK	21.39	0.94	20.18	PASS
Band5	3	20415	1	#0	16QAM	22.31	0.94	21.10	PASS
Band5	3	20415	1	#Mid	16QAM	22.22	0.94	21.01	PASS
Band5	3	20415	1	#Max	16QAM	21.96	0.94	20.75	PASS
Band5	3	20415	8	#0	16QAM	20.11	0.94	18.90	PASS
Band5	3	20415	8	#Mid	16QAM	20.10	0.94	18.89	PASS
Band5	3	20415	8	#Max	16QAM	19.90	0.94	18.69	PASS
Band5	3	20415	15	#0	16QAM	20.40	0.94	19.19	PASS
Band5	3	20525	1	#0	QPSK	22.03	0.94	20.82	PASS
Band5	3	20525	1	#Mid	QPSK	22.14	0.94	20.93	PASS
Band5	3	20525	1	#Max	QPSK	22.13	0.94	20.92	PASS
Band5	3	20525	8	#0	QPSK	21.11	0.94	19.90	PASS
Band5	3	20525	8	#Mid	QPSK	21.04	0.94	19.83	PASS
Band5	3	20525	8	#Max	QPSK	21.02	0.94	19.81	PASS
Band5	3	20525	15	#0	QPSK	21.01	0.94	19.80	PASS
Band5	3	20525	1	#0	16QAM	21.69	0.94	20.48	PASS
Band5	3	20525	1	#Mid	16QAM	21.51	0.94	20.30	PASS
Band5	3	20525	1	#Max	16QAM	21.55	0.94	20.34	PASS
Band5	3	20525	8	#0	16QAM	20.26	0.94	19.05	PASS
Band5	3	20525	8	#Mid	16QAM	20.14	0.94	18.93	PASS
Band5	3	20525	8	#Max	16QAM	20.10	0.94	18.89	PASS
Band5	3	20525	15	#0	16QAM	19.90	0.94	18.69	PASS
Band5	3	20635	1	#0	QPSK	22.49	0.94	21.28	PASS
Band5	3	20635	1	#Mid	QPSK	22.44	0.94	21.23	PASS
Band5	3	20635	1	#Max	QPSK	22.48	0.94	21.27	PASS
Band5	3	20635	8	#0	QPSK	21.45	0.94	20.24	PASS
Band5	3	20635	8	#Mid	QPSK	21.29	0.94	20.08	PASS
Band5	3	20635	8	#Max	QPSK	21.40	0.94	20.19	PASS
Band5	3	20635	15	#0	QPSK	21.44	0.94	20.23	PASS
Band5	3	20635	1	#0	16QAM	22.14	0.94	20.93	PASS
Band5	3	20635	1	#Mid	16QAM	22.09	0.94	20.88	PASS

Band5	3	20635	1	#Max	16QAM	22.19	0.94	20.98	PASS
Band5	3	20635	8	#0	16QAM	20.22	0.94	19.01	PASS
Band5	3	20635	8	#Mid	16QAM	20.25	0.94	19.04	PASS
Band5	3	20635	8	#Max	16QAM	20.16	0.94	18.95	PASS
Band5	3	20635	15	#0	16QAM	20.30	0.94	19.09	PASS
Band5	5	20425	1	#0	QPSK	22.25	0.94	21.04	PASS
Band5	5	20425	1	#Mid	QPSK	21.92	0.94	20.71	PASS
Band5	5	20425	1	#Max	QPSK	22.01	0.94	20.80	PASS
Band5	5	20425	12	#0	QPSK	21.36	0.94	20.15	PASS
Band5	5	20425	12	#Mid	QPSK	21.05	0.94	19.84	PASS
Band5	5	20425	12	#Max	QPSK	20.99	0.94	19.78	PASS
Band5	5	20425	25	#0	QPSK	21.03	0.94	19.82	PASS
Band5	5	20425	1	#0	16QAM	21.50	0.94	20.29	PASS
Band5	5	20425	1	#Mid	16QAM	21.27	0.94	20.06	PASS
Band5	5	20425	1	#Max	16QAM	21.27	0.94	20.06	PASS
Band5	5	20425	12	#0	16QAM	20.06	0.94	18.85	PASS
Band5	5	20425	12	#Mid	16QAM	19.87	0.94	18.66	PASS
Band5	5	20425	12	#Max	16QAM	19.82	0.94	18.61	PASS
Band5	5	20425	25	#0	16QAM	20.00	0.94	18.79	PASS
Band5	5	20525	1	#0	QPSK	22.10	0.94	20.89	PASS
Band5	5	20525	1	#Mid	QPSK	22.18	0.94	20.97	PASS
Band5	5	20525	1	#Max	QPSK	22.19	0.94	20.98	PASS
Band5	5	20525	12	#0	QPSK	21.16	0.94	19.95	PASS
Band5	5	20525	12	#Mid	QPSK	21.05	0.94	19.84	PASS
Band5	5	20525	12	#Max	QPSK	20.93	0.94	19.72	PASS
Band5	5	20525	25	#0	QPSK	20.91	0.94	19.70	PASS
Band5	5	20525	1	#0	16QAM	20.76	0.94	19.55	PASS
Band5	5	20525	1	#Mid	16QAM	20.64	0.94	19.43	PASS
Band5	5	20525	1	#Max	16QAM	20.69	0.94	19.48	PASS
Band5	5	20525	12	#0	16QAM	20.02	0.94	18.81	PASS
Band5	5	20525	12	#Mid	16QAM	19.81	0.94	18.60	PASS
Band5	5	20525	12	#Max	16QAM	19.85	0.94	18.64	PASS
Band5	5	20525	25	#0	16QAM	19.99	0.94	18.78	PASS
Band5	5	20625	1	#0	QPSK	22.26	0.94	21.05	PASS
Band5	5	20625	1	#Mid	QPSK	22.25	0.94	21.04	PASS
Band5	5	20625	1	#Max	QPSK	22.23	0.94	21.02	PASS
Band5	5	20625	12	#0	QPSK	21.46	0.94	20.25	PASS
Band5	5	20625	12	#Mid	QPSK	21.27	0.94	20.06	PASS
Band5	5	20625	12	#Max	QPSK	21.45	0.94	20.24	PASS
Band5	5	20625	25	#0	QPSK	21.42	0.94	20.21	PASS
Band5	5	20625	1	#0	16QAM	21.34	0.94	20.13	PASS
Band5	5	20625	1	#Mid	16QAM	21.36	0.94	20.15	PASS

Band5	5	20625	1	#Max	16QAM	21.44	0.94	20.23	PASS
Band5	5	20625	12	#0	16QAM	20.27	0.94	19.06	PASS
Band5	5	20625	12	#Mid	16QAM	20.34	0.94	19.13	PASS
Band5	5	20625	12	#Max	16QAM	20.31	0.94	19.10	PASS
Band5	5	20625	25	#0	16QAM	20.21	0.94	19.00	PASS
Band5	10	20450	1	#0	QPSK	22.39	0.94	21.18	PASS
Band5	10	20450	1	#Mid	QPSK	22.18	0.94	20.97	PASS
Band5	10	20450	1	#Max	QPSK	22.16	0.94	20.95	PASS
Band5	10	20450	25	#0	QPSK	20.98	0.94	19.77	PASS
Band5	10	20450	25	#Mid	QPSK	21.01	0.94	19.80	PASS
Band5	10	20450	25	#Max	QPSK	21.00	0.94	19.79	PASS
Band5	10	20450	50	#0	QPSK	21.04	0.94	19.83	PASS
Band5	10	20450	1	#0	16QAM	22.31	0.94	21.10	PASS
Band5	10	20450	1	#Mid	16QAM	22.10	0.94	20.89	PASS
Band5	10	20450	1	#Max	16QAM	22.19	0.94	20.98	PASS
Band5	10	20450	25	#0	16QAM	19.93	0.94	18.72	PASS
Band5	10	20450	25	#Mid	16QAM	19.81	0.94	18.60	PASS
Band5	10	20450	25	#Max	16QAM	19.96	0.94	18.75	PASS
Band5	10	20450	50	#0	16QAM	19.98	0.94	18.77	PASS
Band5	10	20525	1	#0	QPSK	22.22	0.94	21.01	PASS
Band5	10	20525	1	#Mid	QPSK	22.24	0.94	21.03	PASS
Band5	10	20525	1	#Max	QPSK	22.40	0.94	21.19	PASS
Band5	10	20525	25	#0	QPSK	21.06	0.94	19.85	PASS
Band5	10	20525	25	#Mid	QPSK	21.08	0.94	19.87	PASS
Band5	10	20525	25	#Max	QPSK	21.04	0.94	19.83	PASS
Band5	10	20525	50	#0	QPSK	21.03	0.94	19.82	PASS
Band5	10	20525	1	#0	16QAM	21.07	0.94	19.86	PASS
Band5	10	20525	1	#Mid	16QAM	20.98	0.94	19.77	PASS
Band5	10	20525	1	#Max	16QAM	21.30	0.94	20.09	PASS
Band5	10	20525	25	#0	16QAM	20.18	0.94	18.97	PASS
Band5	10	20525	25	#Mid	16QAM	20.02	0.94	18.81	PASS
Band5	10	20525	25	#Max	16QAM	19.99	0.94	18.78	PASS
Band5	10	20525	50	#0	16QAM	20.02	0.94	18.81	PASS
Band5	10	20600	1	#0	QPSK	22.12	0.94	20.91	PASS
Band5	10	20600	1	#Mid	QPSK	22.31	0.94	21.10	PASS
Band5	10	20600	1	#Max	QPSK	22.37	0.94	21.16	PASS
Band5	10	20600	25	#0	QPSK	21.20	0.94	19.99	PASS
Band5	10	20600	25	#Mid	QPSK	21.16	0.94	19.95	PASS
Band5	10	20600	25	#Max	QPSK	21.49	0.94	20.28	PASS
Band5	10	20600	50	#0	QPSK	21.17	0.94	19.96	PASS
Band5	10	20600	1	#0	16QAM	21.06	0.94	19.85	PASS
Band5	10	20600	1	#Mid	16QAM	21.32	0.94	20.11	PASS

Band5	10	20600	1	#Max	16QAM	21.41	0.94	20.20	PASS
Band5	10	20600	25	#0	16QAM	20.06	0.94	18.85	PASS
Band5	10	20600	25	#Mid	16QAM	20.22	0.94	19.01	PASS
Band5	10	20600	25	#Max	16QAM	20.30	0.94	19.09	PASS
Band5	10	20600	50	#0	16QAM	20.22	0.94	19.01	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	9.41	0.011	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-5.51	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-13.19	-0.016	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-26.82	-0.033	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-37.74	-0.046	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-48.31	-0.059	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-26.56	-0.032	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-34.42	-0.041	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-42.63	-0.051	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-2.45	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-8.98	-0.011	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-14.35	-0.017	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-15.88	-0.019	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-24.70	-0.029	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-31.61	-0.037	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-40.67	-0.048	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-47.55	-0.056	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-14.19	-0.017	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-6.65	-0.008	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-10.50	-0.013	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-15.58	-0.019	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-19.78	-0.024	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-23.49	-0.028	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-27.94	-0.034	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-5.48	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-8.45	-0.010	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-12.35	-0.015	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-14.98	-0.018	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-17.87	-0.021	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-19.50	-0.023	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	1.44	0.002	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-2.27	-0.003	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-6.24	-0.007	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-11.22	-0.013	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-14.39	-0.017	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-13.89	-0.016	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-10.43	-0.013	PASS

Band5	5	20425	25	#0	QPSK	NV	NT	-13.42	-0.016	PASS
Band5	5	20425	25	#0	QPSK	HV	NT	-15.36	-0.019	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-17.40	-0.021	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-20.50	-0.025	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-20.10	-0.024	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	7.62	0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	6.48	0.008	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	4.28	0.005	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	2.95	0.004	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	2.92	0.003	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	2.16	0.003	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	1.46	0.002	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-0.59	-0.001	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-2.36	-0.003	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-4.91	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-5.25	-0.006	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-7.57	-0.009	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	14.05	0.017	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	12.02	0.014	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	11.23	0.014	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	8.31	0.010	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	9.27	0.011	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	9.10	0.011	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	7.93	0.009	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	8.03	0.010	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	7.08	0.008	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	6.55	0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	7.71	0.009	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	7.41	0.009	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	8.85	0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	8.85	0.010	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	6.92	0.008	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	7.30	0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	9.24	0.011	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	10.81	0.013	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	-40.94	-0.050	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-43.59	-0.053	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-43.19	-0.052	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-41.11	-0.050	PASS

Band5	1.4	20407	6	#0	QPSK	NV	10	-37.94	-0.046	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-33.63	-0.041	PASS
Band5	1.4	20407	6	#0	QPSK	NV	30	-30.66	-0.037	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-26.74	-0.032	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-21.10	-0.026	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-18.17	-0.022	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-13.18	-0.016	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-9.18	-0.011	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-4.06	-0.005	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-0.20	0.000	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	4.33	0.005	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	8.41	0.010	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	14.03	0.017	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	18.22	0.022	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	6.39	0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	10.81	0.013	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	12.92	0.015	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	15.92	0.019	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	17.54	0.021	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	20.54	0.025	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	23.72	0.028	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	27.75	0.033	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	29.94	0.036	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	33.47	0.040	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	37.81	0.045	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	39.44	0.047	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	43.13	0.052	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	45.78	0.055	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-0.17	0.000	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	3.69	0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	8.45	0.010	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	10.41	0.012	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	4.35	0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	6.79	0.008	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	8.97	0.011	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	10.81	0.013	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	14.81	0.017	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	18.41	0.022	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	25.41	0.030	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	27.38	0.032	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	35.65	0.042	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	39.58	0.047	PASS

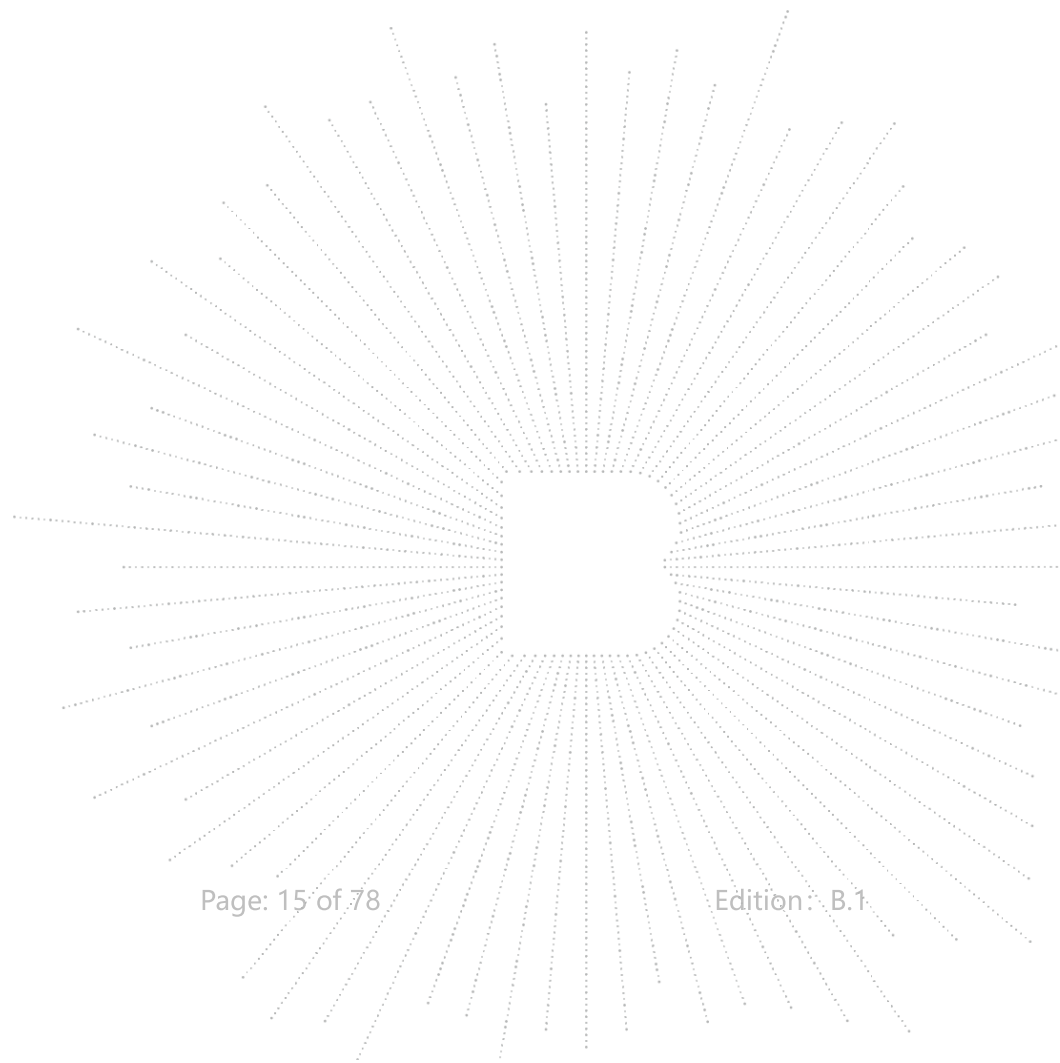
Band5	1.4	20643	6	#0	16QAM	NV	-20	44.70	0.053	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-0.23	0.000	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	4.23	0.005	PASS
Band5	1.4	20643	6	#0	16QAM	NV	10	8.21	0.010	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	12.95	0.015	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	15.62	0.018	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	18.14	0.021	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	21.77	0.026	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-40.41	-0.049	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-46.81	-0.057	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-0.97	-0.001	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-2.33	-0.003	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-3.56	-0.004	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-4.13	-0.005	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-3.03	-0.004	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-1.19	-0.001	PASS
Band5	3	20415	15	#0	QPSK	NV	50	0.67	0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	2.68	0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	5.59	0.007	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	8.64	0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	0	10.61	0.013	PASS
Band5	3	20415	15	#0	16QAM	NV	10	13.52	0.016	PASS
Band5	3	20415	15	#0	16QAM	NV	20	15.58	0.019	PASS
Band5	3	20415	15	#0	16QAM	NV	30	17.78	0.022	PASS
Band5	3	20415	15	#0	16QAM	NV	40	18.31	0.022	PASS
Band5	3	20415	15	#0	16QAM	NV	50	20.34	0.025	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-5.81	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-7.62	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-7.64	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-7.51	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-6.91	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-5.87	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-4.25	-0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-1.80	-0.002	PASS
Band5	3	20525	15	#0	QPSK	NV	50	0.23	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	2.06	0.002	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	6.01	0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	8.17	0.010	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-4.15	-0.005	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-10.94	-0.013	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-13.69	-0.016	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-17.37	-0.021	PASS

Band5	3	20525	15	#0	16QAM	NV	40	-17.24	-0.021	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-17.41	-0.021	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	7.58	0.009	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	7.48	0.009	PASS
Band5	3	20635	15	#0	QPSK	NV	-10	9.58	0.011	PASS
Band5	3	20635	15	#0	QPSK	NV	0	8.45	0.010	PASS
Band5	3	20635	15	#0	QPSK	NV	10	10.50	0.012	PASS
Band5	3	20635	15	#0	QPSK	NV	20	11.22	0.013	PASS
Band5	3	20635	15	#0	QPSK	NV	30	14.42	0.017	PASS
Band5	3	20635	15	#0	QPSK	NV	40	17.45	0.021	PASS
Band5	3	20635	15	#0	QPSK	NV	50	22.39	0.026	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	28.18	0.033	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	32.63	0.039	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	39.12	0.046	PASS
Band5	3	20635	15	#0	16QAM	NV	0	43.87	0.052	PASS
Band5	3	20635	15	#0	16QAM	NV	10	34.28	0.040	PASS
Band5	3	20635	15	#0	16QAM	NV	20	9.53	0.011	PASS
Band5	3	20635	15	#0	16QAM	NV	30	14.00	0.017	PASS
Band5	3	20635	15	#0	16QAM	NV	40	18.70	0.022	PASS
Band5	3	20635	15	#0	16QAM	NV	50	21.17	0.025	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-4.26	-0.005	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-5.74	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-4.12	-0.005	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-1.69	-0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	10	1.73	0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	20	2.68	0.003	PASS
Band5	5	20425	25	#0	QPSK	NV	30	4.35	0.005	PASS
Band5	5	20425	25	#0	QPSK	NV	40	8.05	0.010	PASS
Band5	5	20425	25	#0	QPSK	NV	50	11.42	0.014	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	15.03	0.018	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	18.08	0.022	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	20.47	0.025	PASS
Band5	5	20425	25	#0	16QAM	NV	0	23.02	0.028	PASS
Band5	5	20425	25	#0	16QAM	NV	10	26.06	0.032	PASS
Band5	5	20425	25	#0	16QAM	NV	20	27.18	0.033	PASS
Band5	5	20425	25	#0	16QAM	NV	30	28.70	0.035	PASS
Band5	5	20425	25	#0	16QAM	NV	40	29.80	0.036	PASS
Band5	5	20425	25	#0	16QAM	NV	50	31.21	0.038	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	8.98	0.011	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	9.57	0.011	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	11.12	0.013	PASS
Band5	5	20525	25	#0	QPSK	NV	0	13.43	0.016	PASS

Band5	5	20525	25	#0	QPSK	NV	10	15.58	0.019	PASS
Band5	5	20525	25	#0	QPSK	NV	20	19.81	0.024	PASS
Band5	5	20525	25	#0	QPSK	NV	30	21.63	0.026	PASS
Band5	5	20525	25	#0	QPSK	NV	40	22.39	0.027	PASS
Band5	5	20525	25	#0	QPSK	NV	50	25.43	0.030	PASS
Band5	5	20525	25	#0	16QAM	NV	-30	28.40	0.034	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	32.70	0.039	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	36.74	0.044	PASS
Band5	5	20525	25	#0	16QAM	NV	0	38.29	0.046	PASS
Band5	5	20525	25	#0	16QAM	NV	10	41.10	0.049	PASS
Band5	5	20525	25	#0	16QAM	NV	20	43.03	0.051	PASS
Band5	5	20525	25	#0	16QAM	NV	30	42.72	0.051	PASS
Band5	5	20525	25	#0	16QAM	NV	40	44.05	0.053	PASS
Band5	5	20525	25	#0	16QAM	NV	50	43.10	0.052	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	4.49	0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	4.56	0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	6.01	0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	0	7.08	0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	10	9.68	0.011	PASS
Band5	5	20625	25	#0	QPSK	NV	20	13.49	0.016	PASS
Band5	5	20625	25	#0	QPSK	NV	30	17.65	0.021	PASS
Band5	5	20625	25	#0	QPSK	NV	40	21.66	0.026	PASS
Band5	5	20625	25	#0	QPSK	NV	50	27.47	0.032	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	30.86	0.036	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	36.15	0.043	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	39.40	0.047	PASS
Band5	5	20625	25	#0	16QAM	NV	0	43.53	0.051	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-1.20	-0.001	PASS
Band5	5	20625	25	#0	16QAM	NV	20	1.19	0.001	PASS
Band5	5	20625	25	#0	16QAM	NV	30	6.12	0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	40	7.51	0.009	PASS
Band5	5	20625	25	#0	16QAM	NV	50	10.21	0.012	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-6.48	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-9.11	-0.011	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-9.30	-0.011	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-9.63	-0.012	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-5.62	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-2.13	-0.003	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-1.50	-0.002	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-0.51	-0.001	PASS
Band5	10	20450	50	#0	QPSK	NV	50	3.46	0.004	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	6.44	0.008	PASS

Band5	10	20450	50	#0	16QAM	NV	-20	9.93	0.012	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	-2.30	-0.003	PASS
Band5	10	20450	50	#0	16QAM	NV	0	-9.84	-0.012	PASS
Band5	10	20450	50	#0	16QAM	NV	10	-12.33	-0.015	PASS
Band5	10	20450	50	#0	16QAM	NV	20	-13.69	-0.017	PASS
Band5	10	20450	50	#0	16QAM	NV	30	-11.69	-0.014	PASS
Band5	10	20450	50	#0	16QAM	NV	40	-8.77	-0.011	PASS
Band5	10	20450	50	#0	16QAM	NV	50	-4.72	-0.006	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	5.94	0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	9.07	0.011	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	12.73	0.015	PASS
Band5	10	20525	50	#0	QPSK	NV	0	18.21	0.022	PASS
Band5	10	20525	50	#0	QPSK	NV	10	25.51	0.030	PASS
Band5	10	20525	50	#0	QPSK	NV	20	31.40	0.038	PASS
Band5	10	20525	50	#0	QPSK	NV	30	36.45	0.044	PASS
Band5	10	20525	50	#0	QPSK	NV	40	40.78	0.049	PASS
Band5	10	20525	50	#0	QPSK	NV	50	18.28	0.022	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	4.96	0.006	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	13.16	0.016	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	15.13	0.018	PASS
Band5	10	20525	50	#0	16QAM	NV	0	19.54	0.023	PASS
Band5	10	20525	50	#0	16QAM	NV	10	21.59	0.026	PASS
Band5	10	20525	50	#0	16QAM	NV	20	25.25	0.030	PASS
Band5	10	20525	50	#0	16QAM	NV	30	27.11	0.032	PASS
Band5	10	20525	50	#0	16QAM	NV	40	27.47	0.033	PASS
Band5	10	20525	50	#0	16QAM	NV	50	30.06	0.036	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-3.82	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-4.94	-0.006	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-4.43	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-1.27	-0.002	PASS
Band5	10	20600	50	#0	QPSK	NV	10	2.17	0.003	PASS
Band5	10	20600	50	#0	QPSK	NV	20	7.34	0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	30	13.56	0.016	PASS
Band5	10	20600	50	#0	QPSK	NV	40	18.12	0.021	PASS
Band5	10	20600	50	#0	QPSK	NV	50	24.92	0.030	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	32.09	0.038	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	39.70	0.047	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	46.72	0.055	PASS
Band5	10	20600	50	#0	16QAM	NV	0	14.82	0.018	PASS
Band5	10	20600	50	#0	16QAM	NV	10	9.00	0.011	PASS
Band5	10	20600	50	#0	16QAM	NV	20	12.13	0.014	PASS
Band5	10	20600	50	#0	16QAM	NV	30	17.71	0.021	PASS

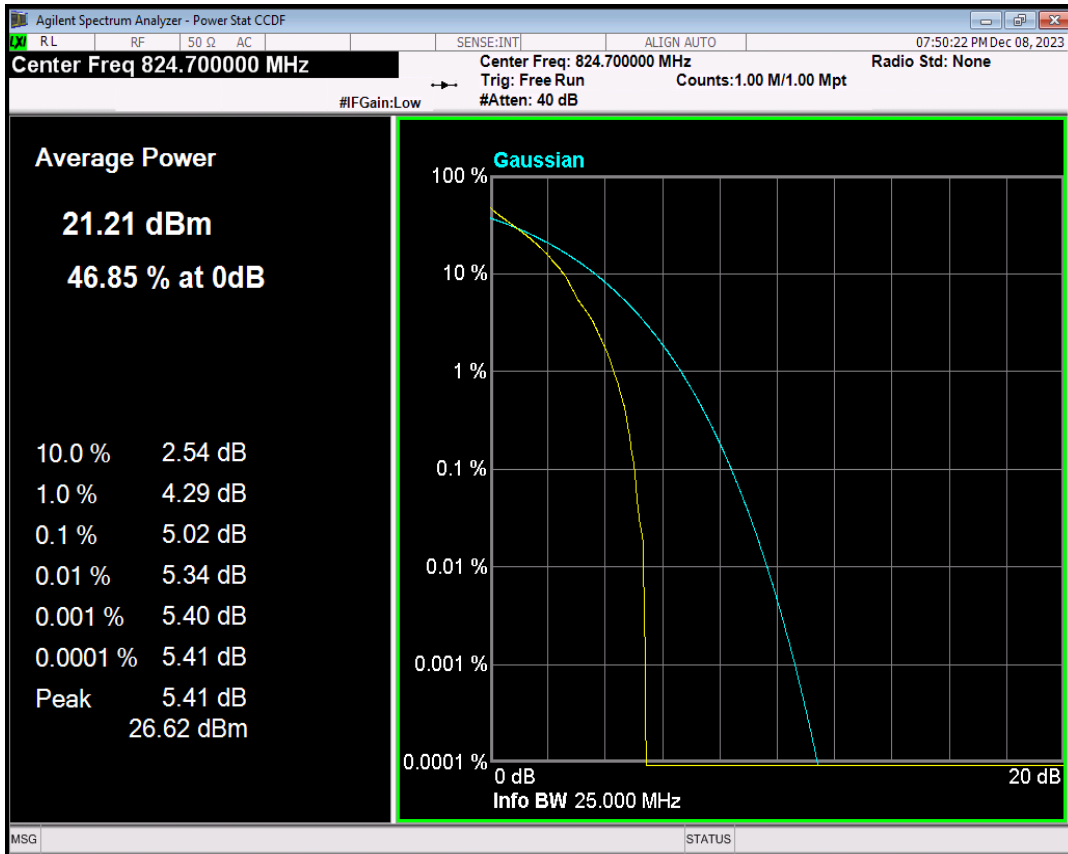
Band5	10	20600	50	#0	16QAM	NV	40	22.02	0.026	PASS
Band5	10	20600	50	#0	16QAM	NV	50	23.99	0.028	PASS



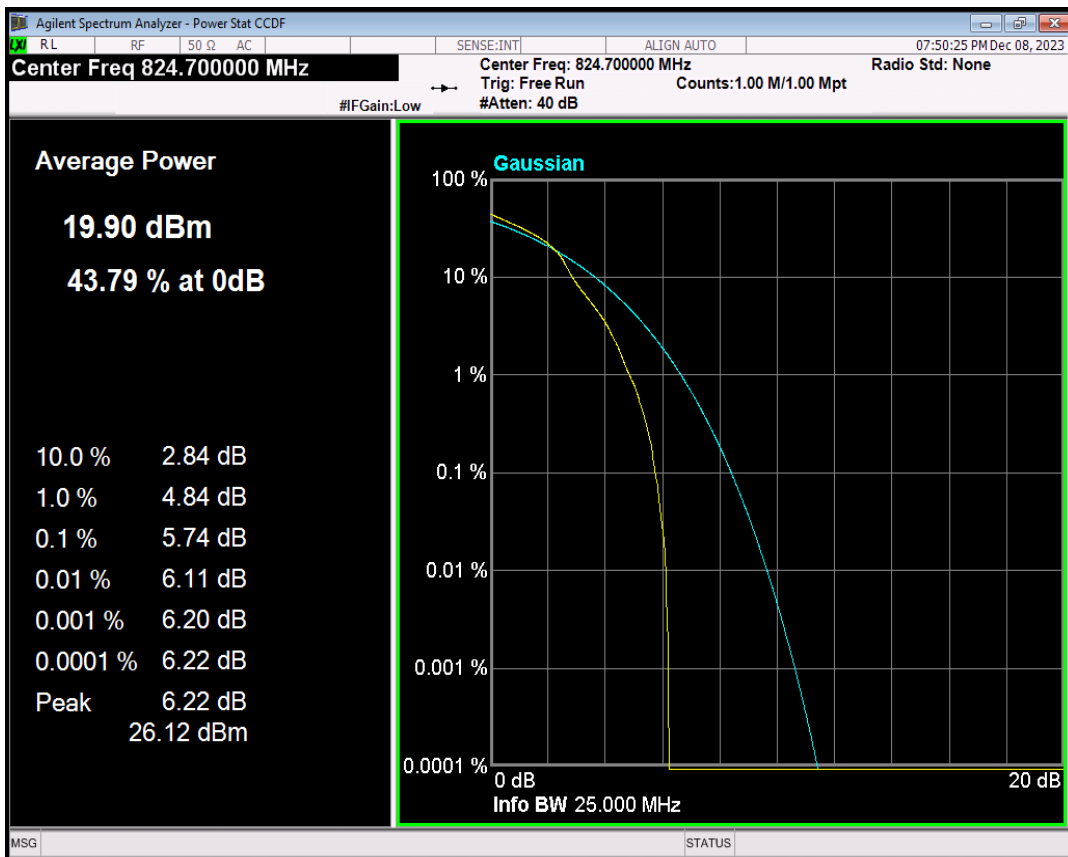
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	5.02	13	PASS
Band5	1.4	20407	1	#0	16QAM	5.74	13	PASS
Band5	1.4	20525	1	#0	QPSK	4.86	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.67	13	PASS
Band5	1.4	20643	1	#0	QPSK	5.29	13	PASS
Band5	1.4	20643	1	#0	16QAM	6.17	13	PASS
Band5	3	20415	1	#0	QPSK	5.16	13	PASS
Band5	3	20415	1	#0	16QAM	5.90	13	PASS
Band5	3	20525	1	#0	QPSK	4.49	13	PASS
Band5	3	20525	1	#0	16QAM	5.43	13	PASS
Band5	3	20635	1	#0	QPSK	5.16	13	PASS
Band5	3	20635	1	#0	16QAM	5.75	13	PASS
Band5	5	20425	1	#0	QPSK	5.57	13	PASS
Band5	5	20425	1	#0	16QAM	6.18	13	PASS
Band5	5	20525	1	#0	QPSK	4.04	13	PASS
Band5	5	20525	1	#0	16QAM	4.84	13	PASS
Band5	5	20625	1	#0	QPSK	4.94	13	PASS
Band5	5	20625	1	#0	16QAM	5.76	13	PASS
Band5	10	20450	1	#0	QPSK	5.44	13	PASS
Band5	10	20450	1	#0	16QAM	6.63	13	PASS
Band5	10	20525	1	#0	QPSK	3.92	13	PASS
Band5	10	20525	1	#0	16QAM	4.85	13	PASS
Band5	10	20600	1	#0	QPSK	5.25	13	PASS
Band5	10	20600	1	#0	16QAM	5.96	13	PASS

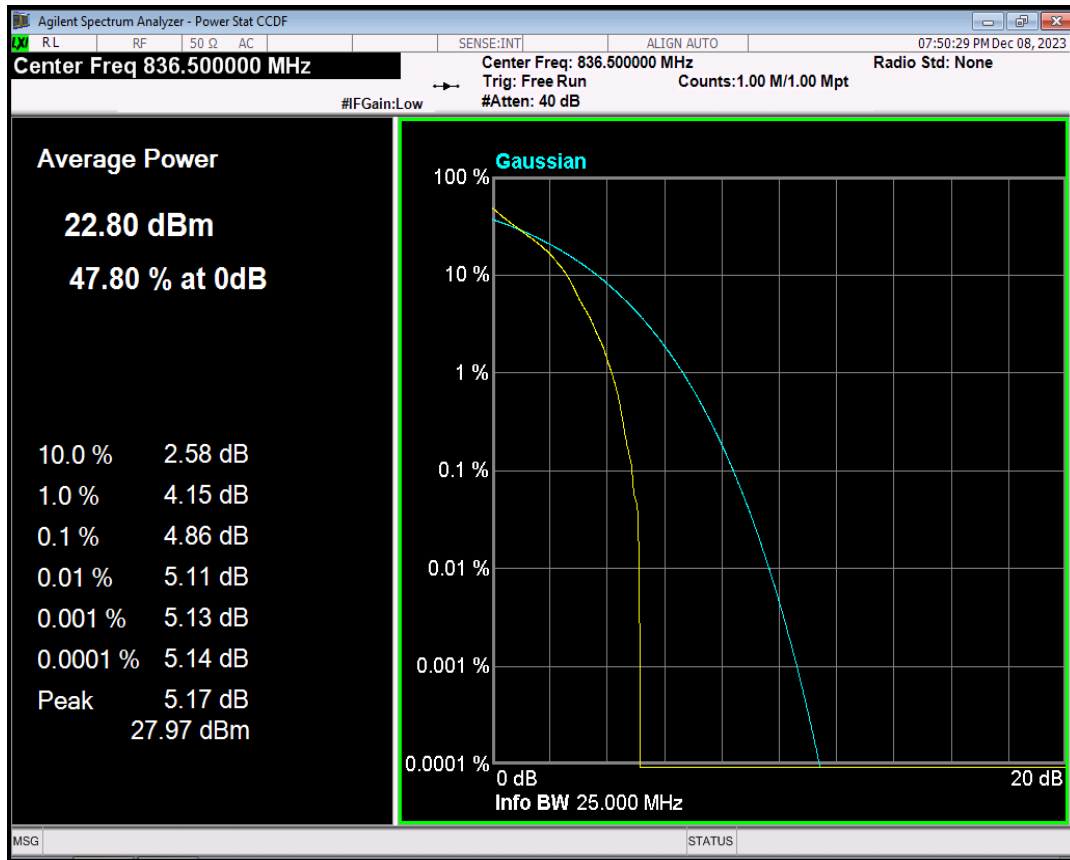
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



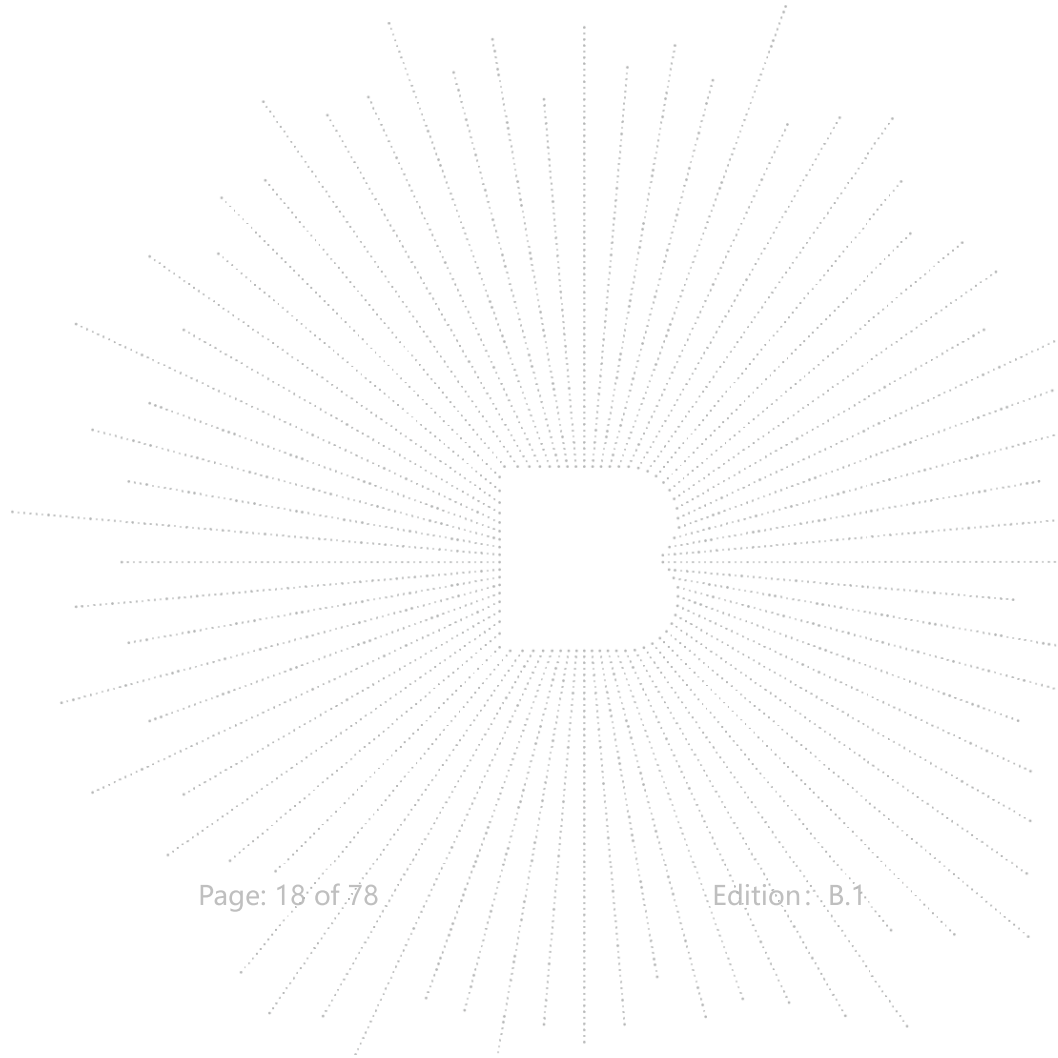
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0

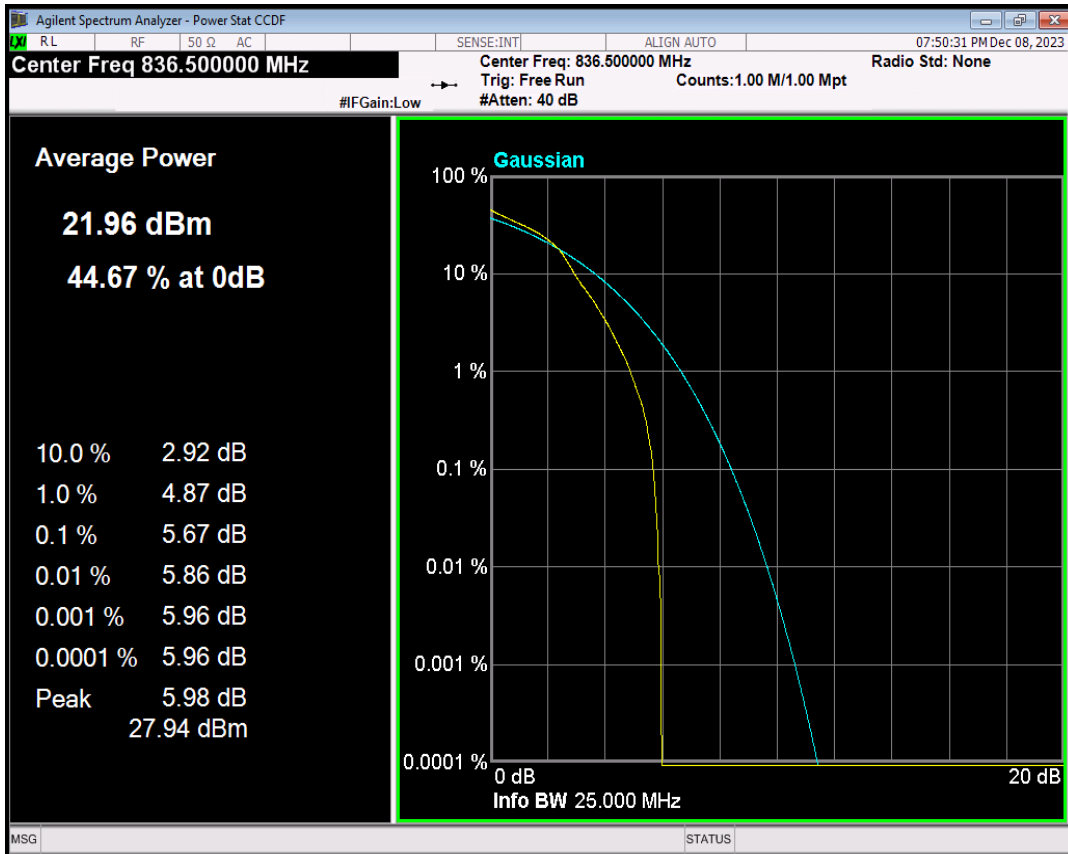


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0

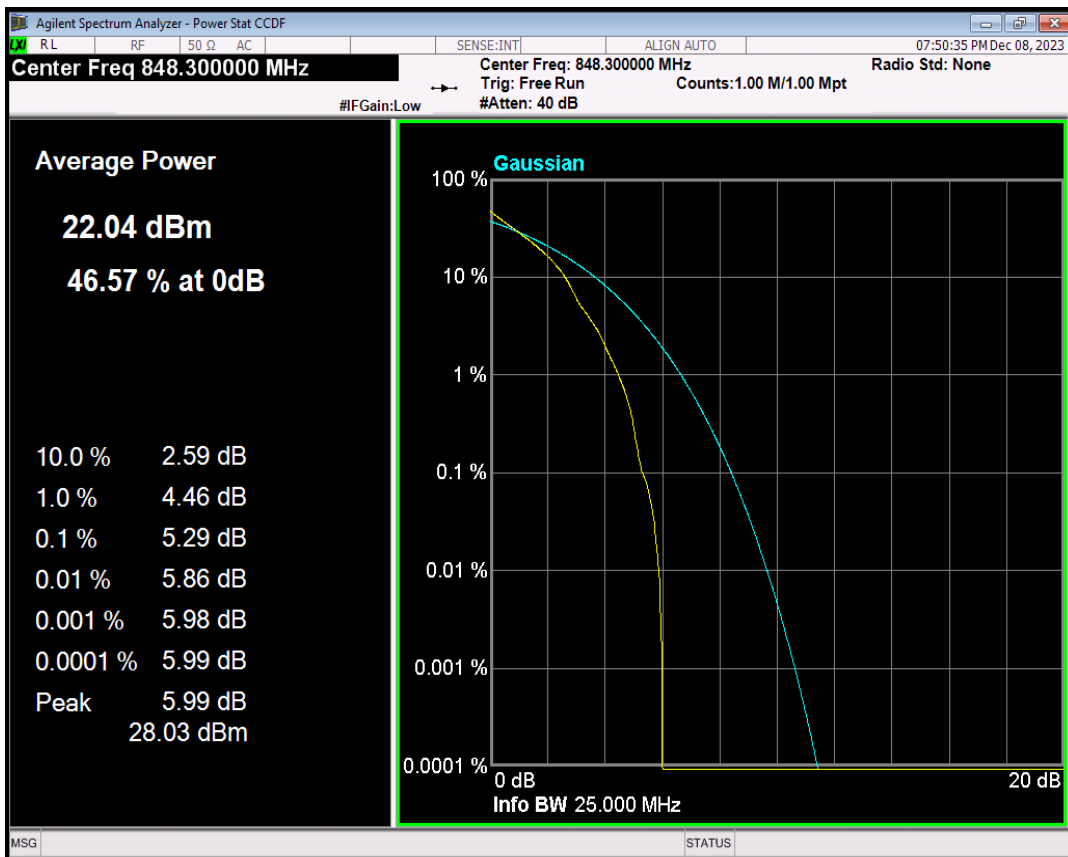


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0

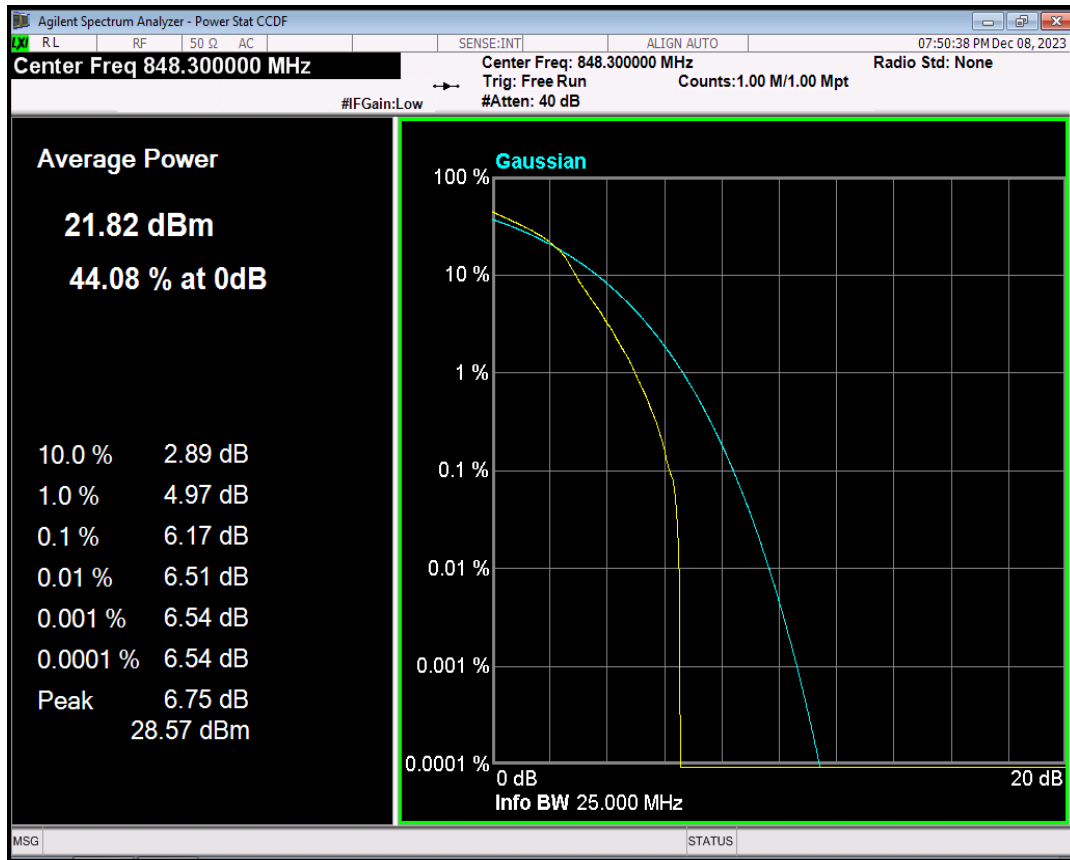




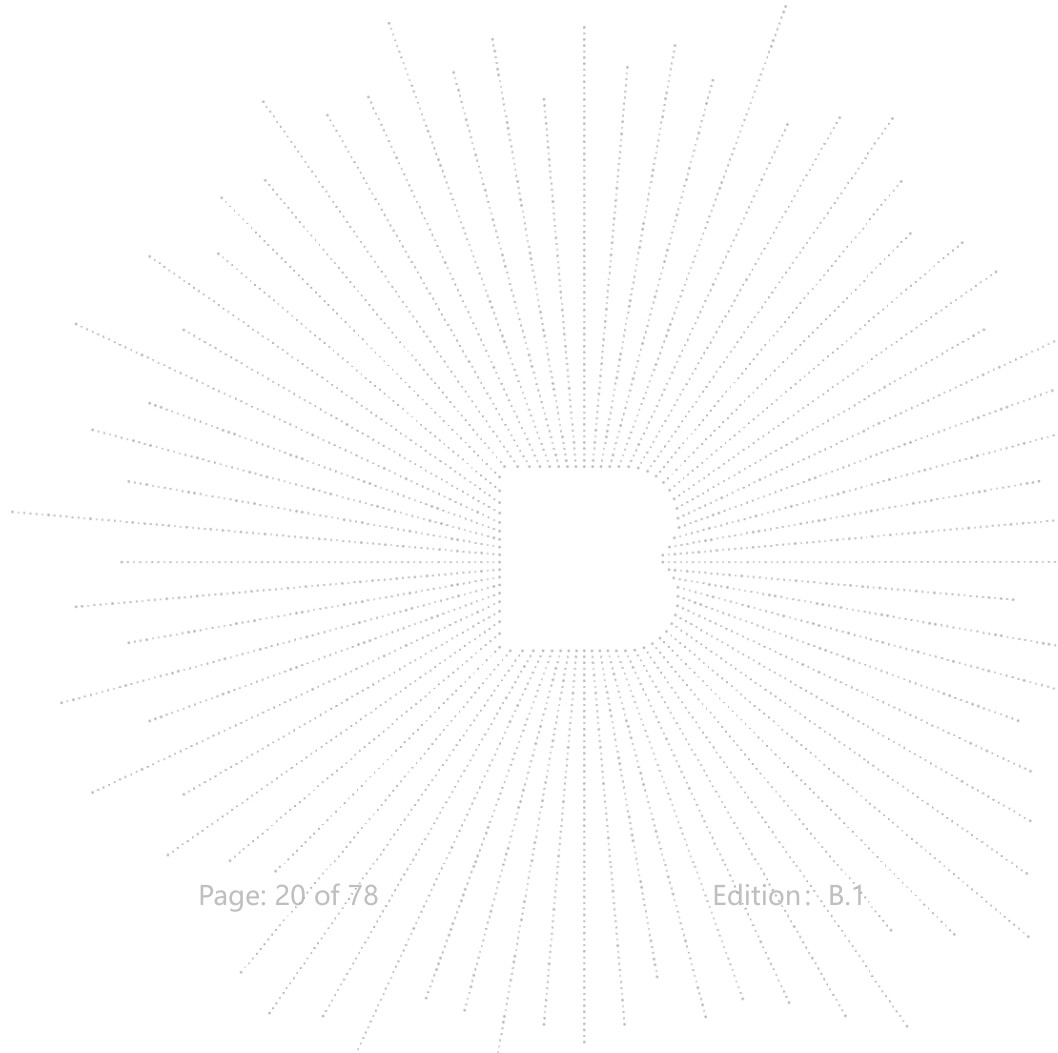
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0

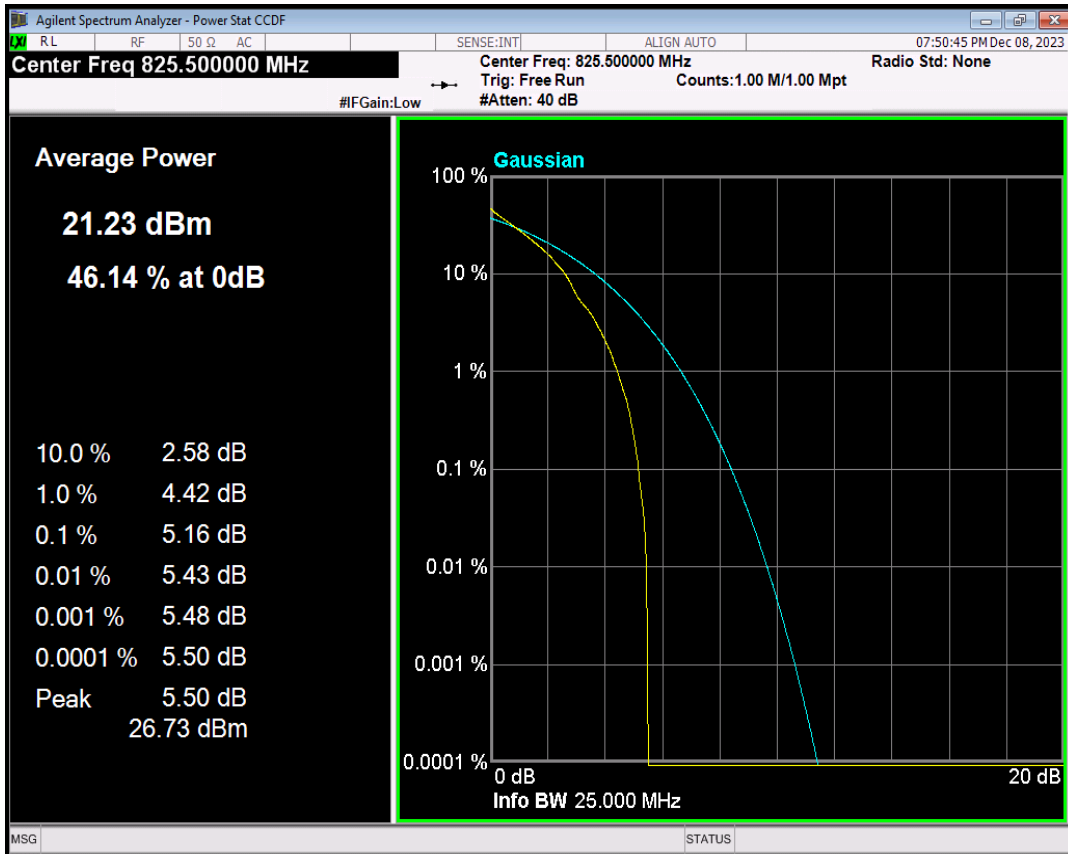


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0

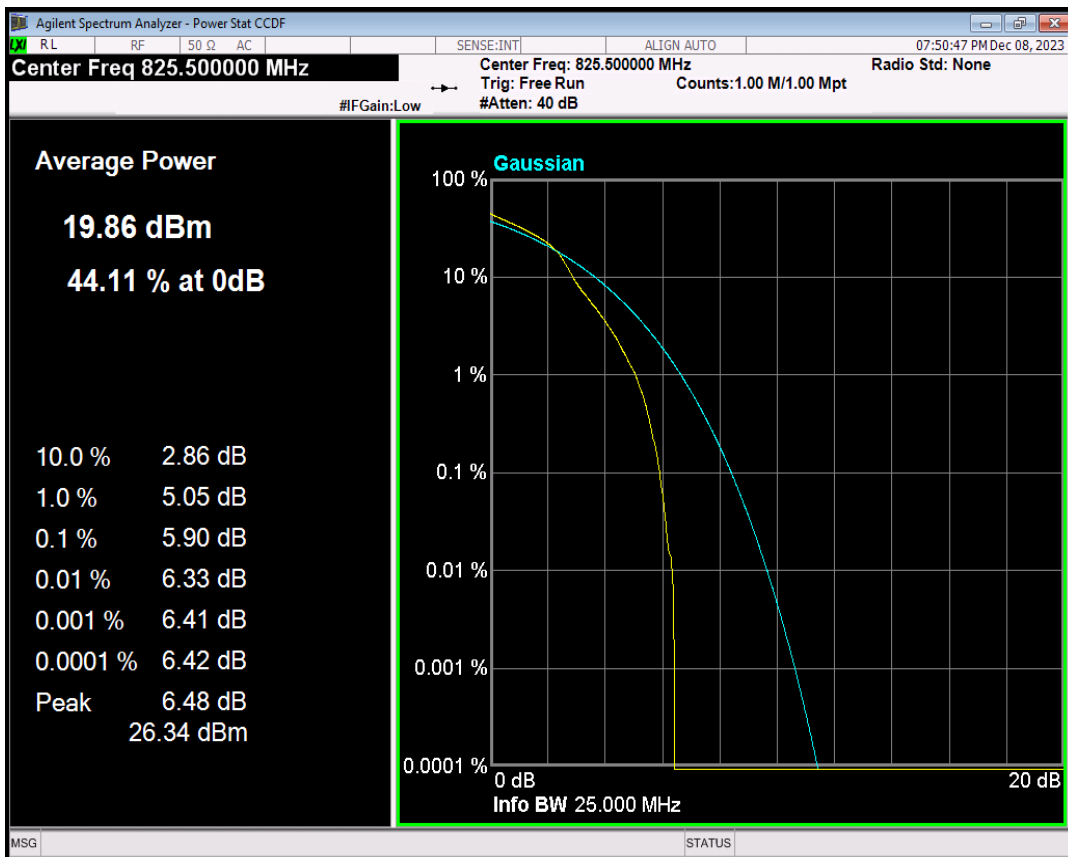


Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0

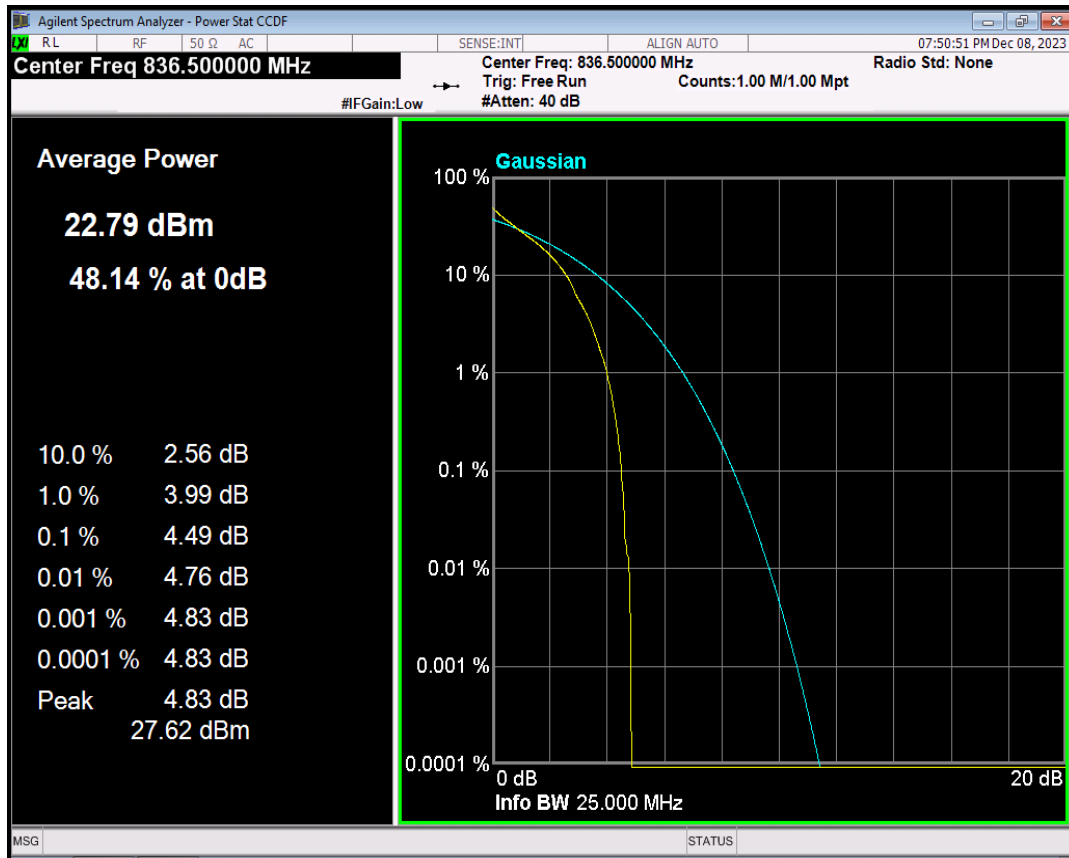




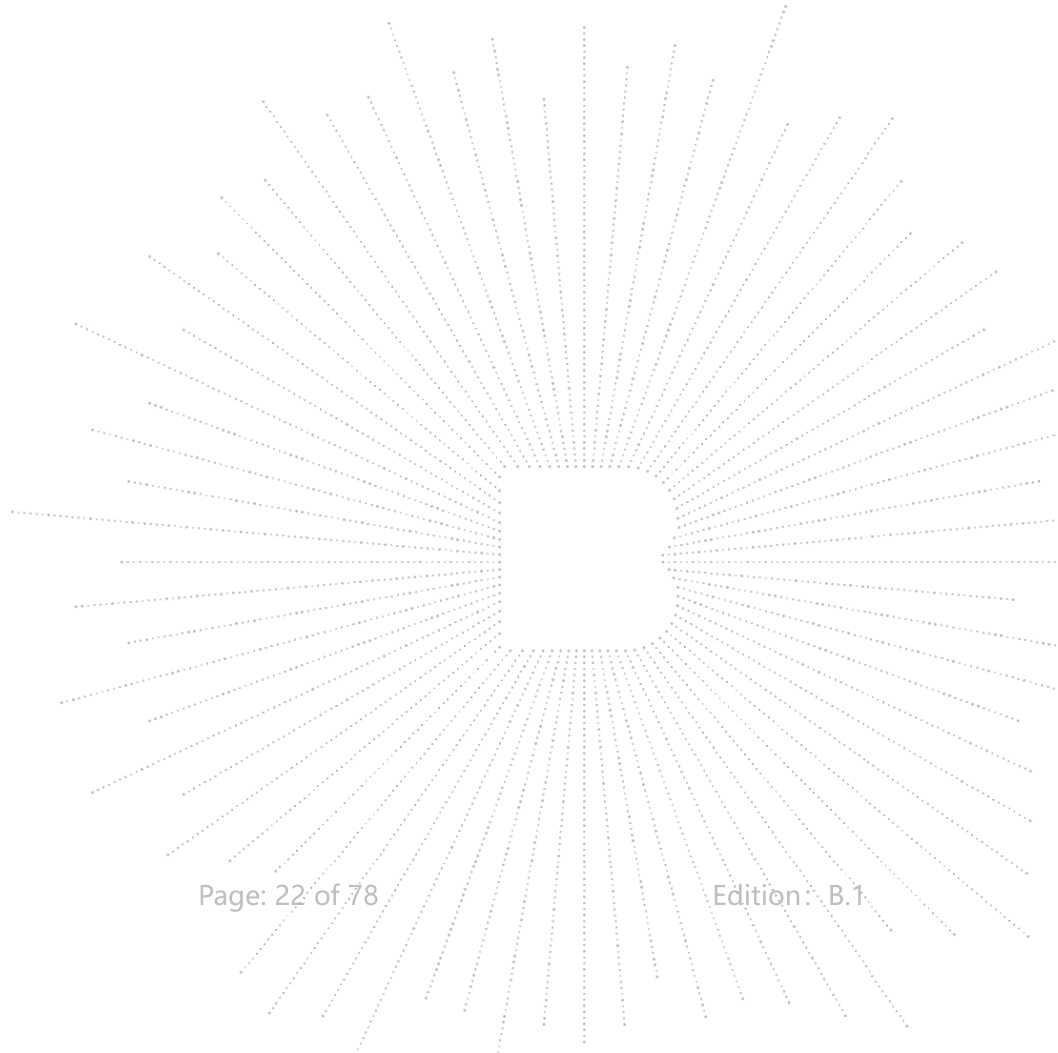
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

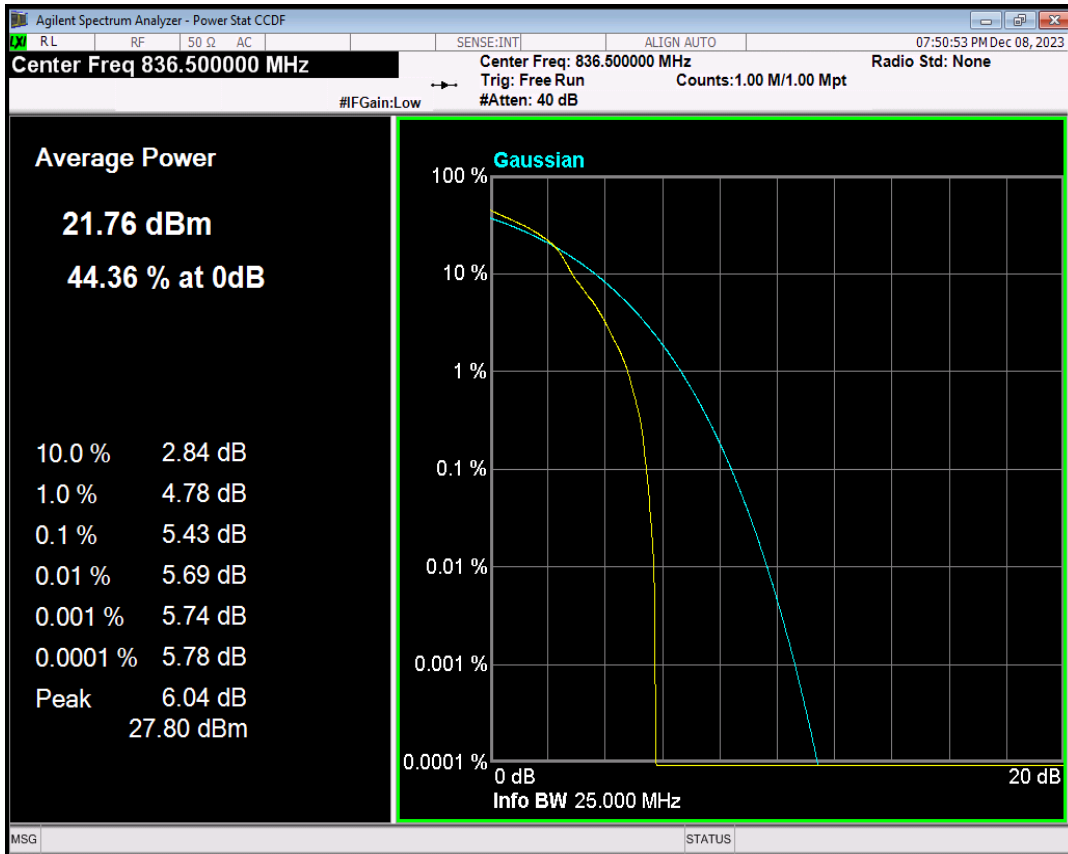


Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

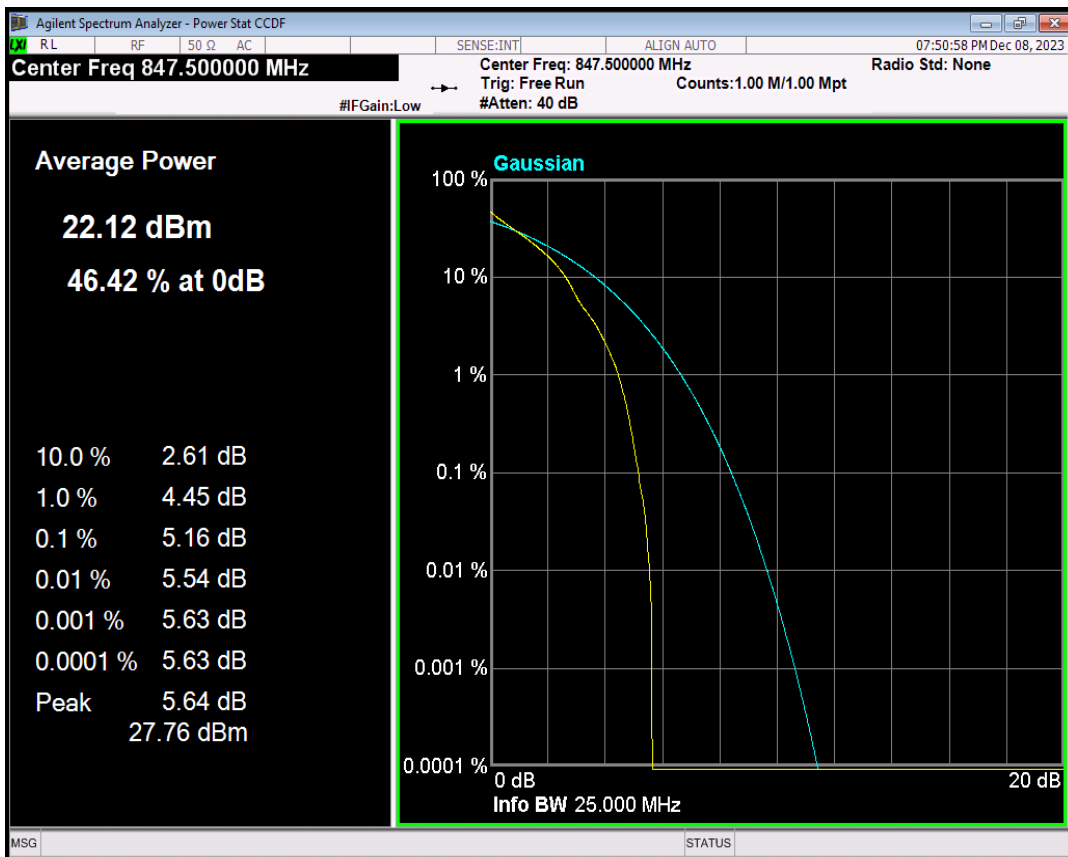


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



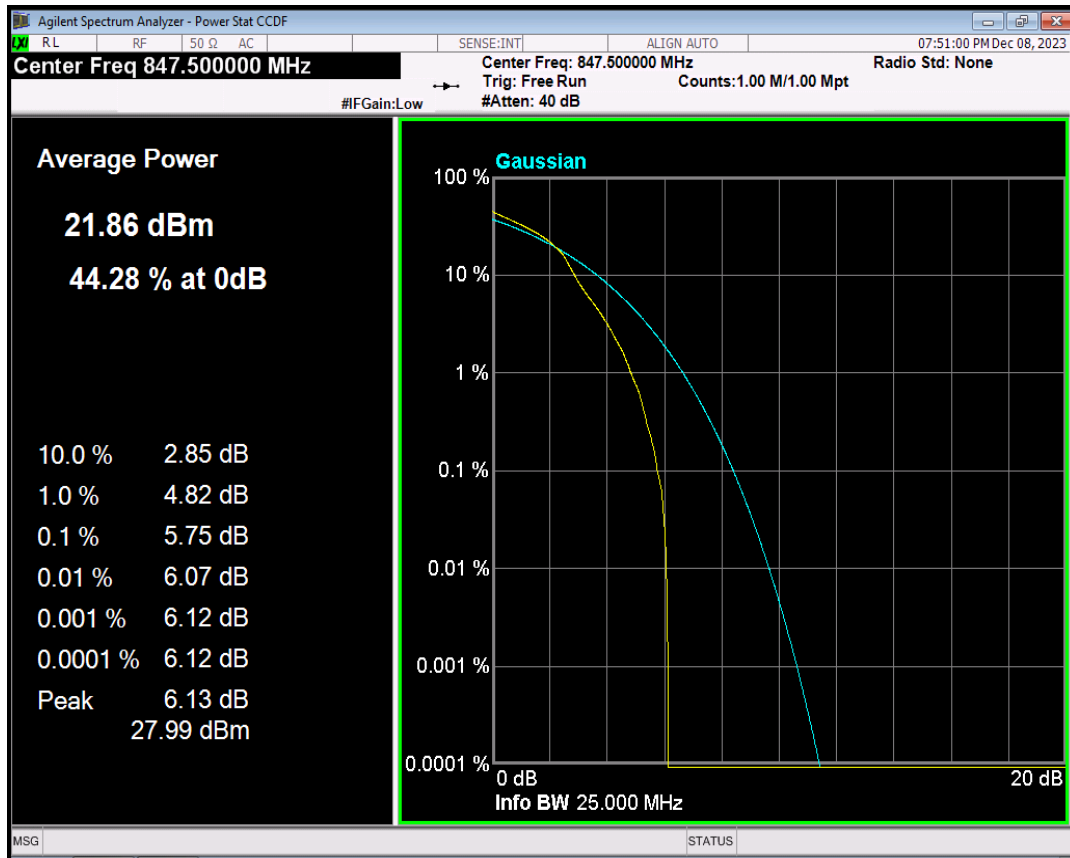


Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0

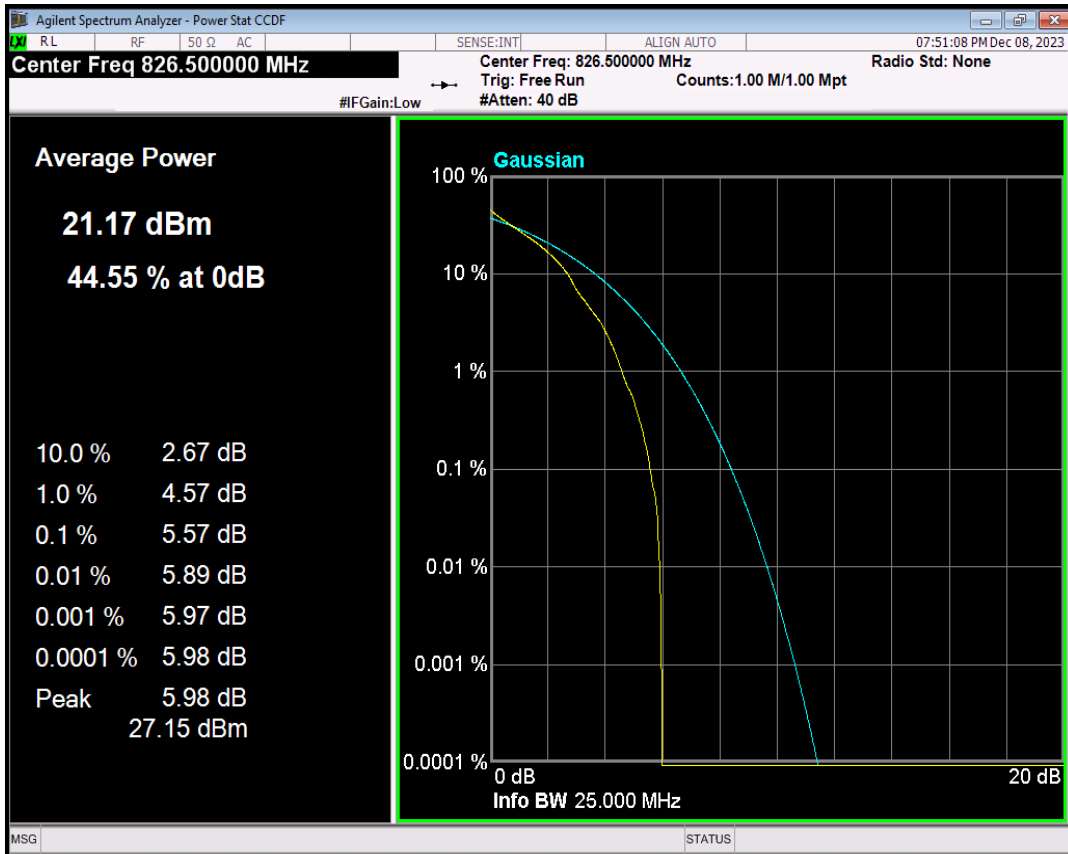




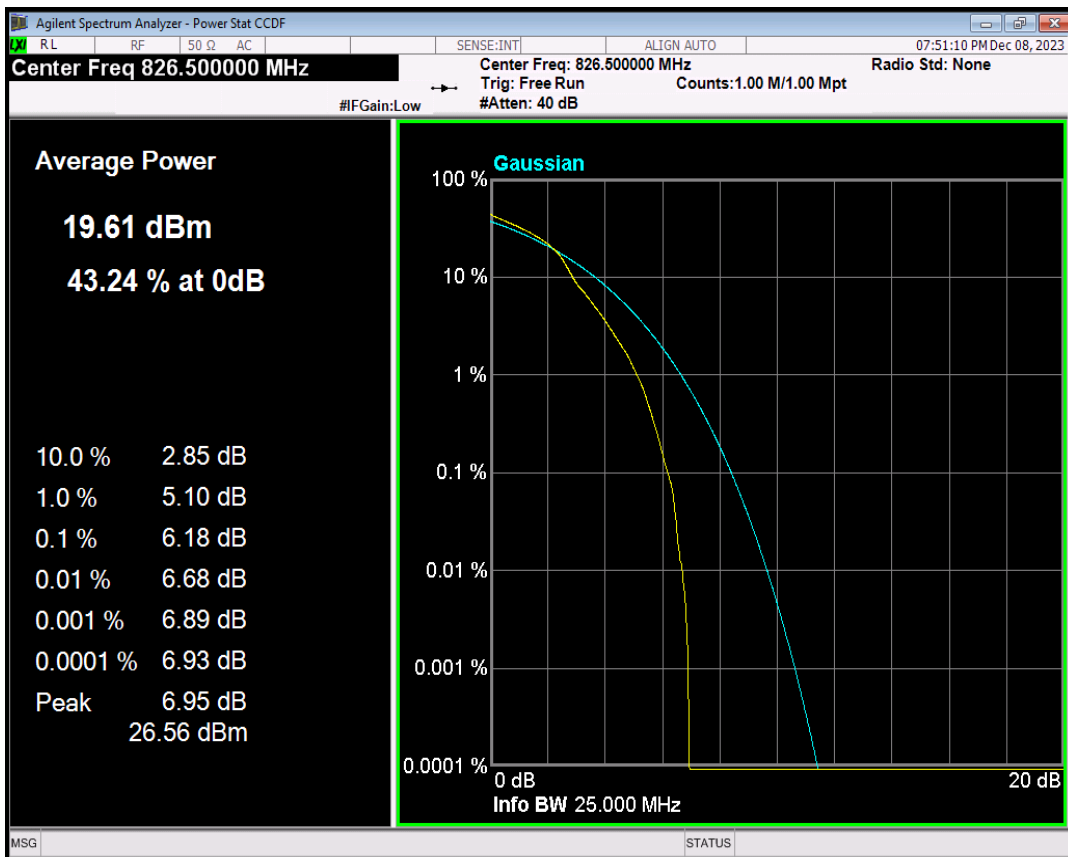
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



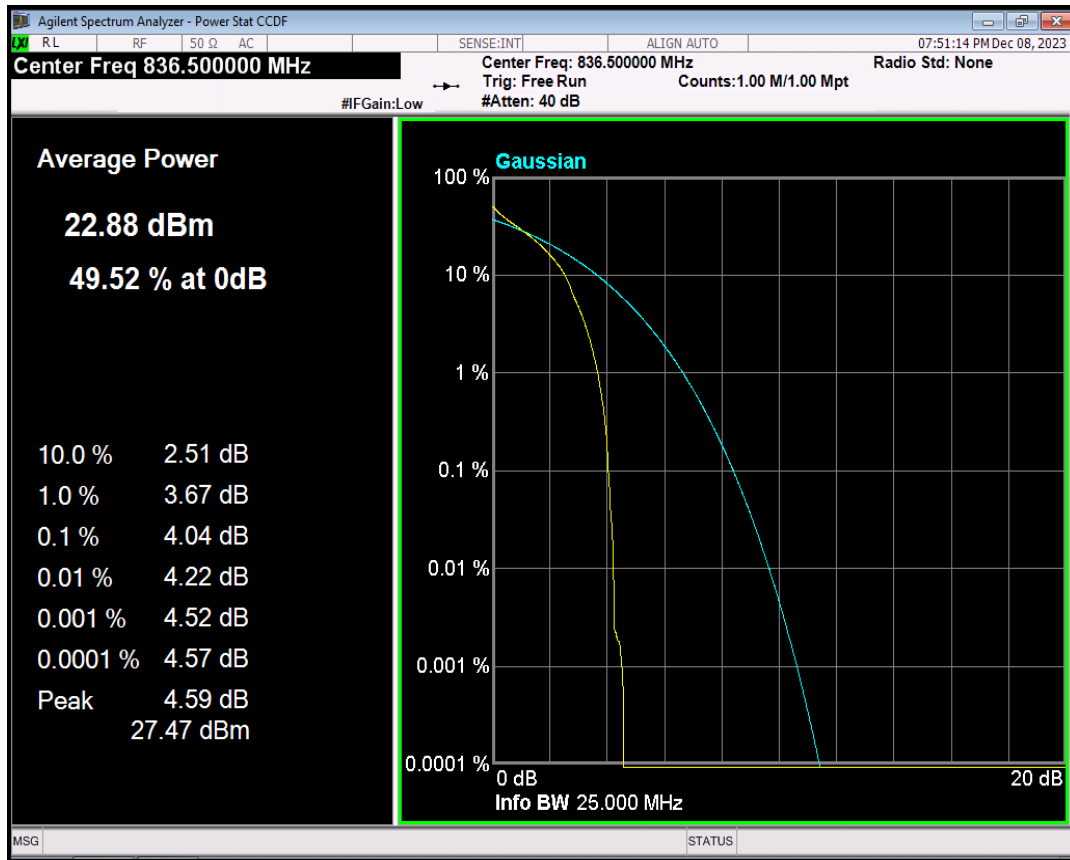
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



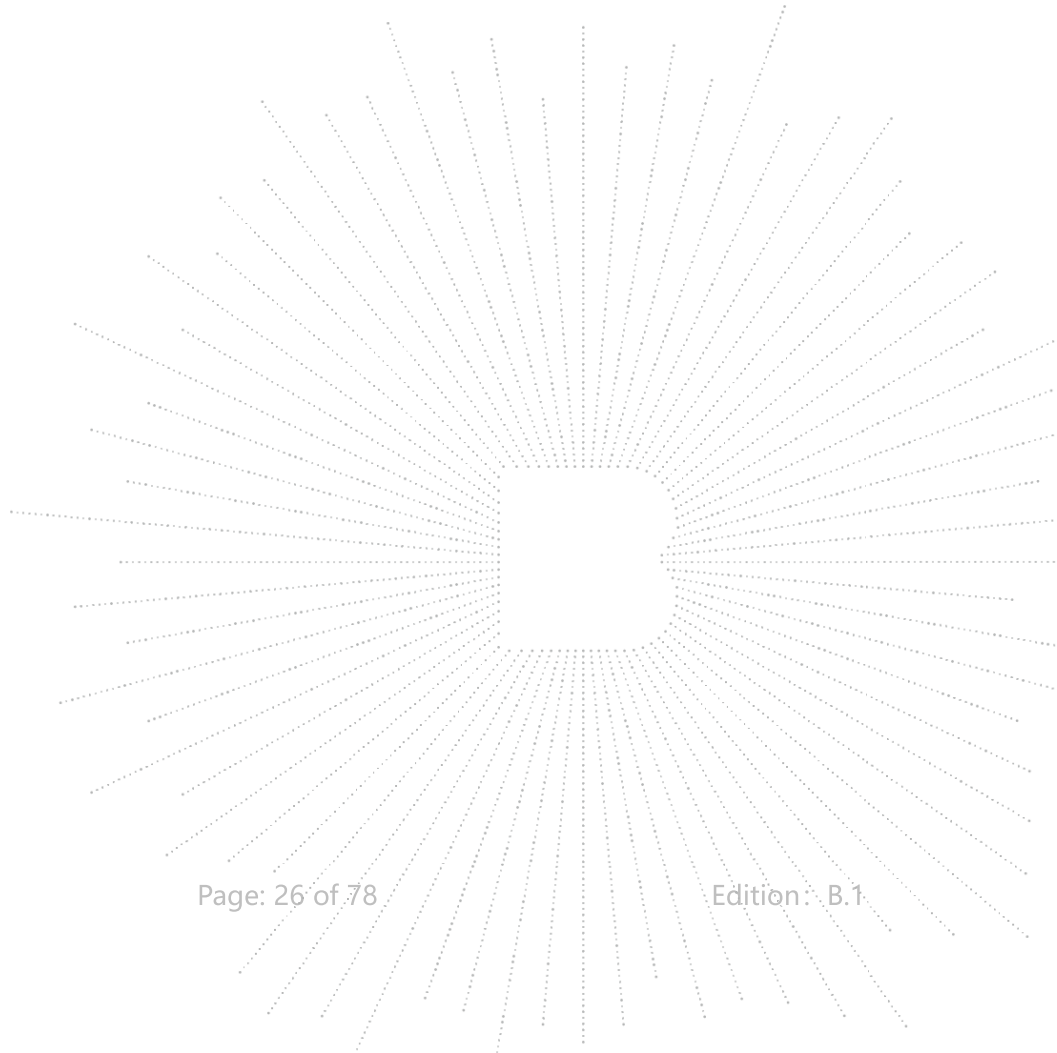
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

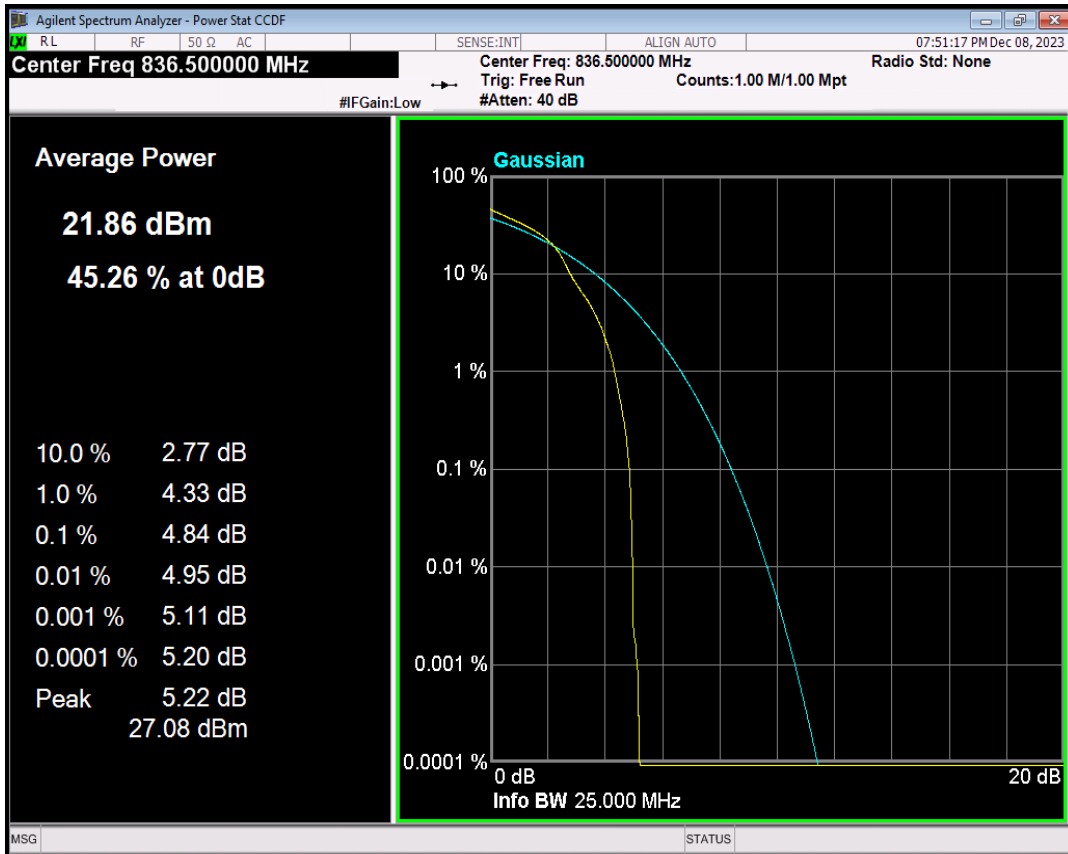


Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

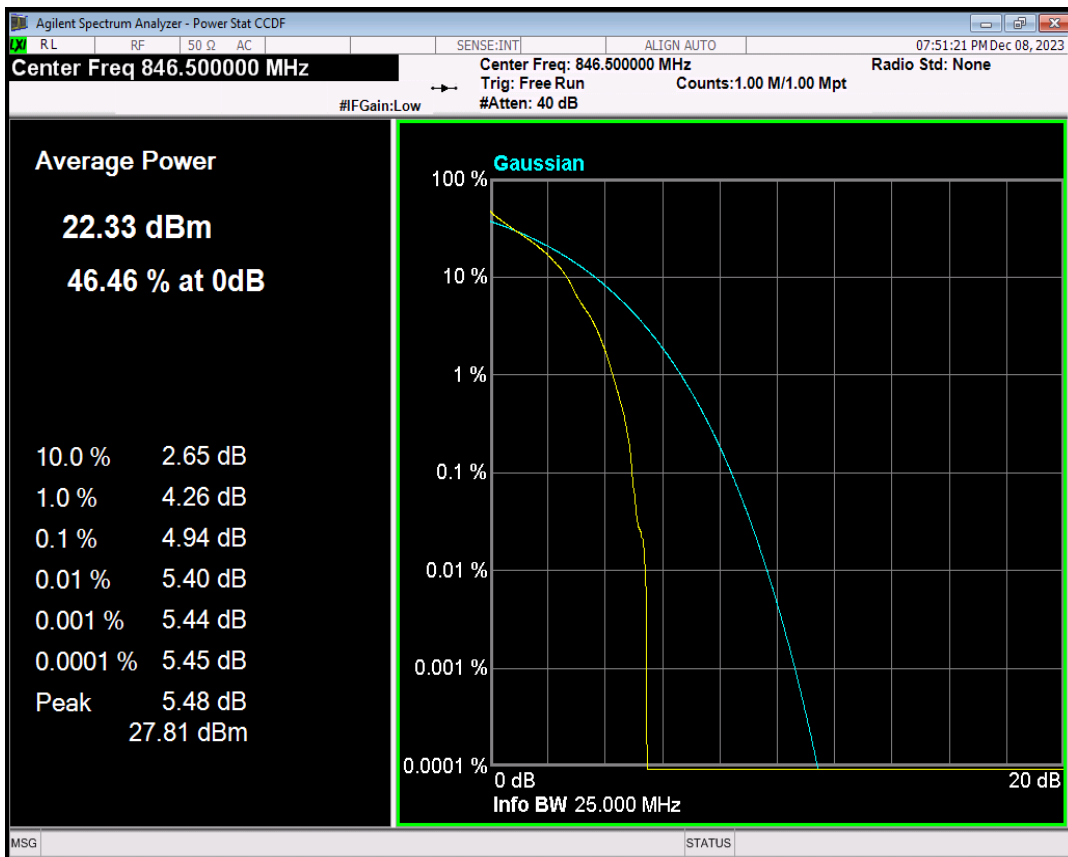


Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



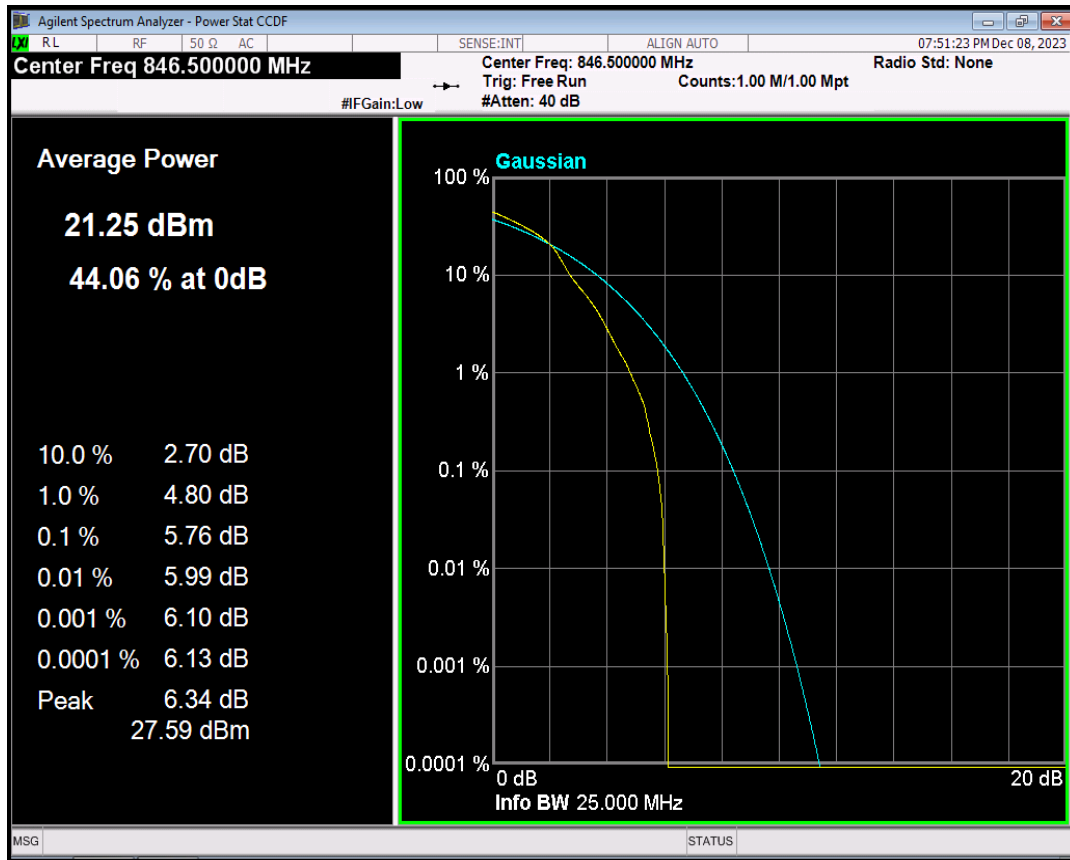


Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0

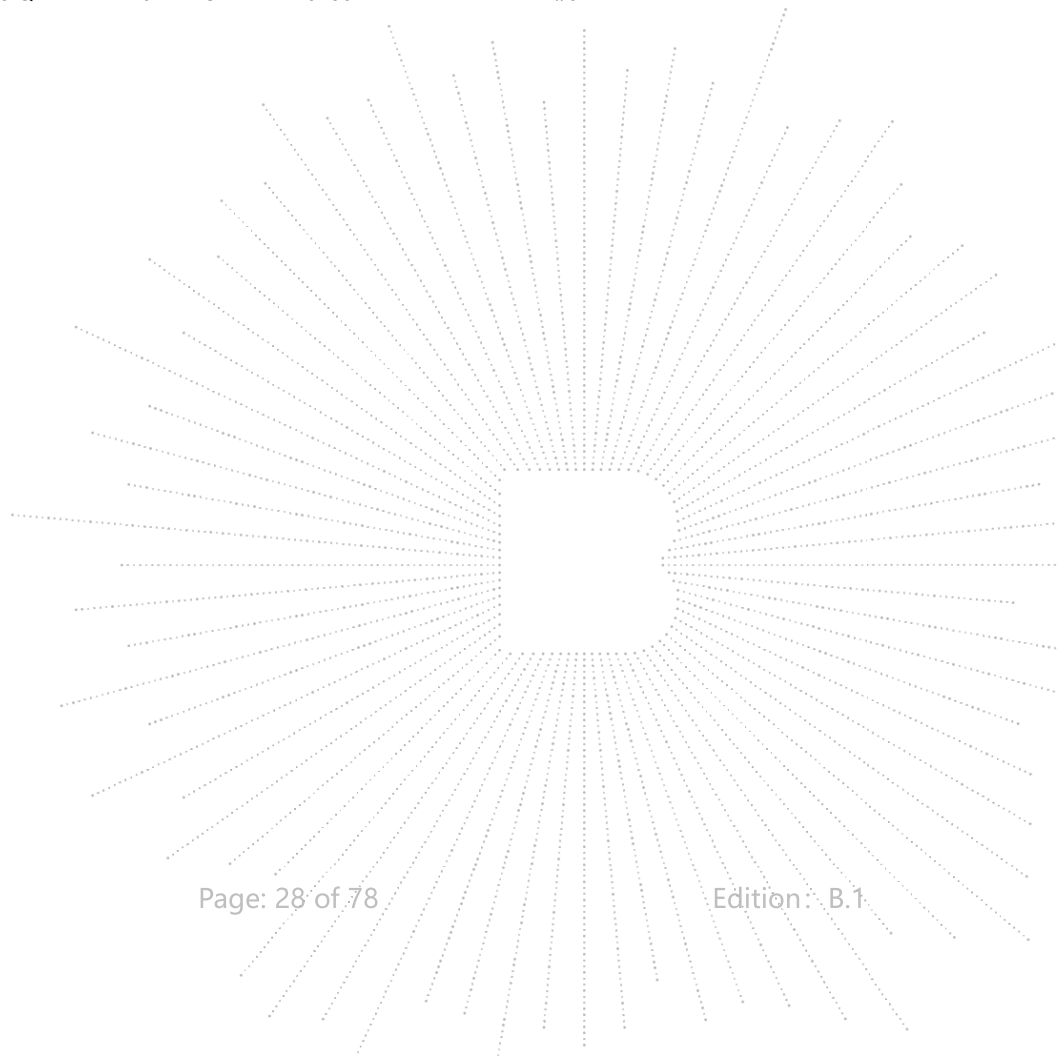


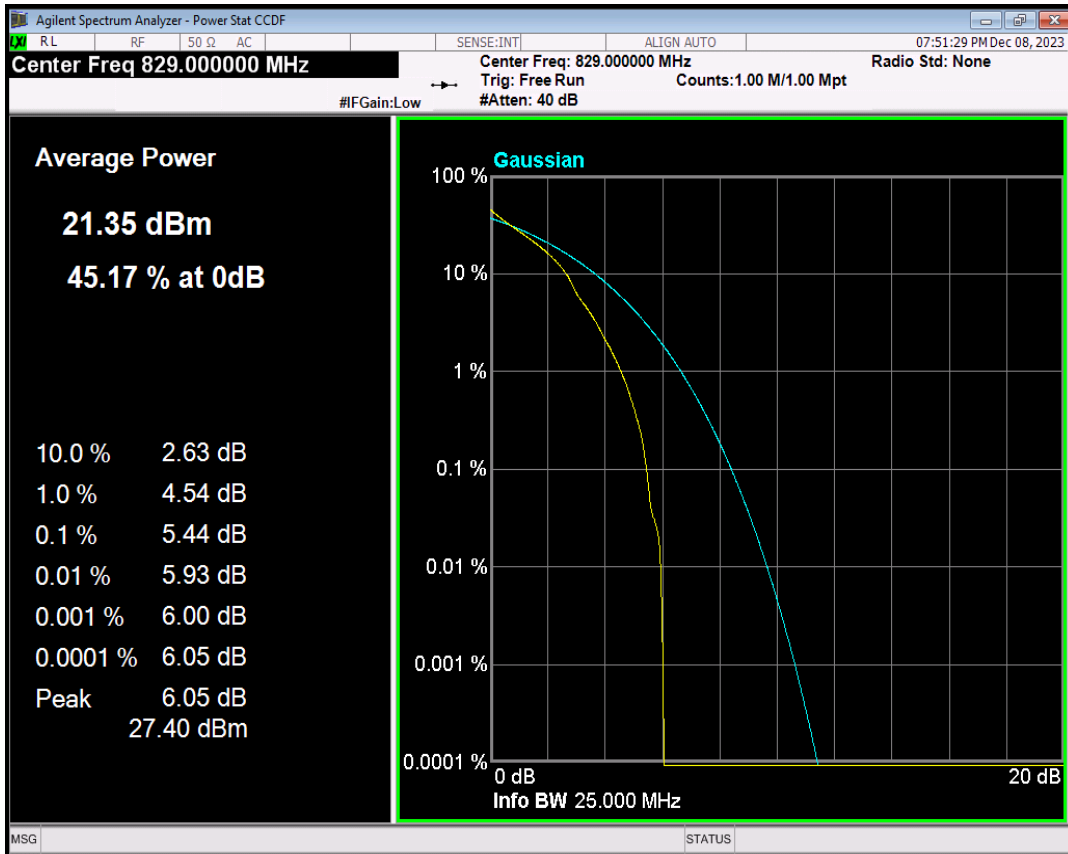


Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0

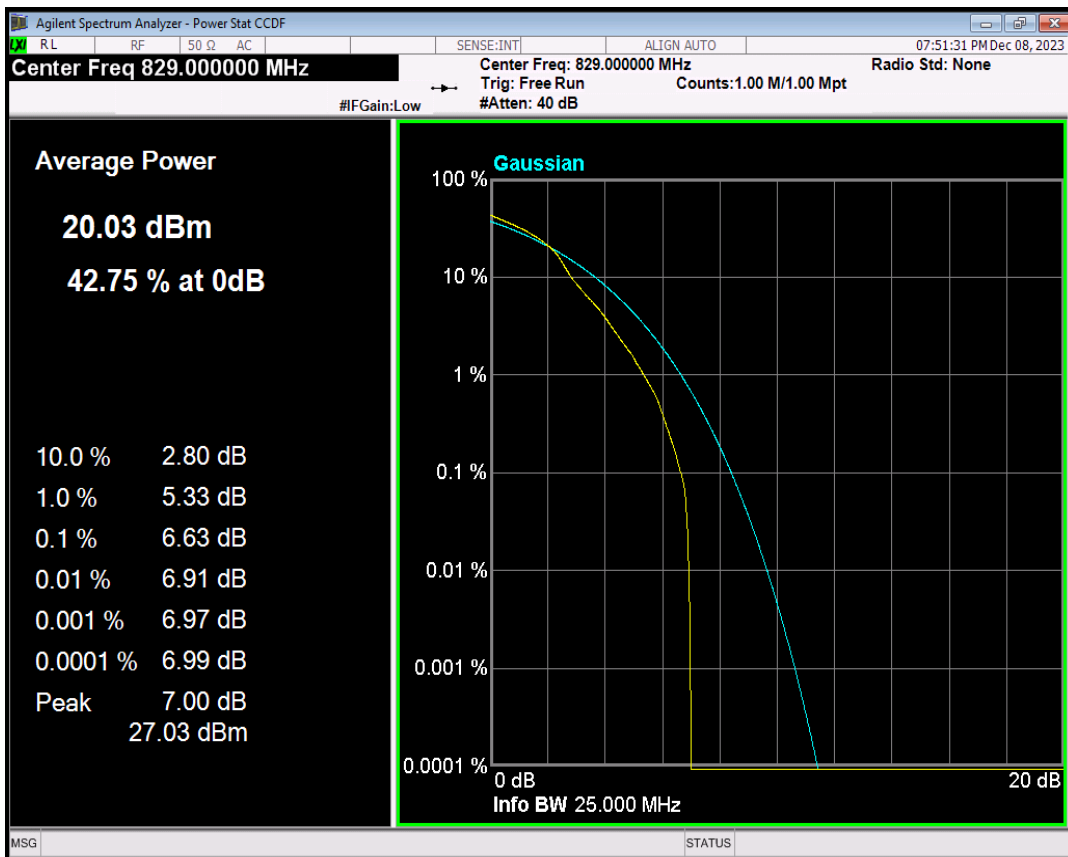


Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0

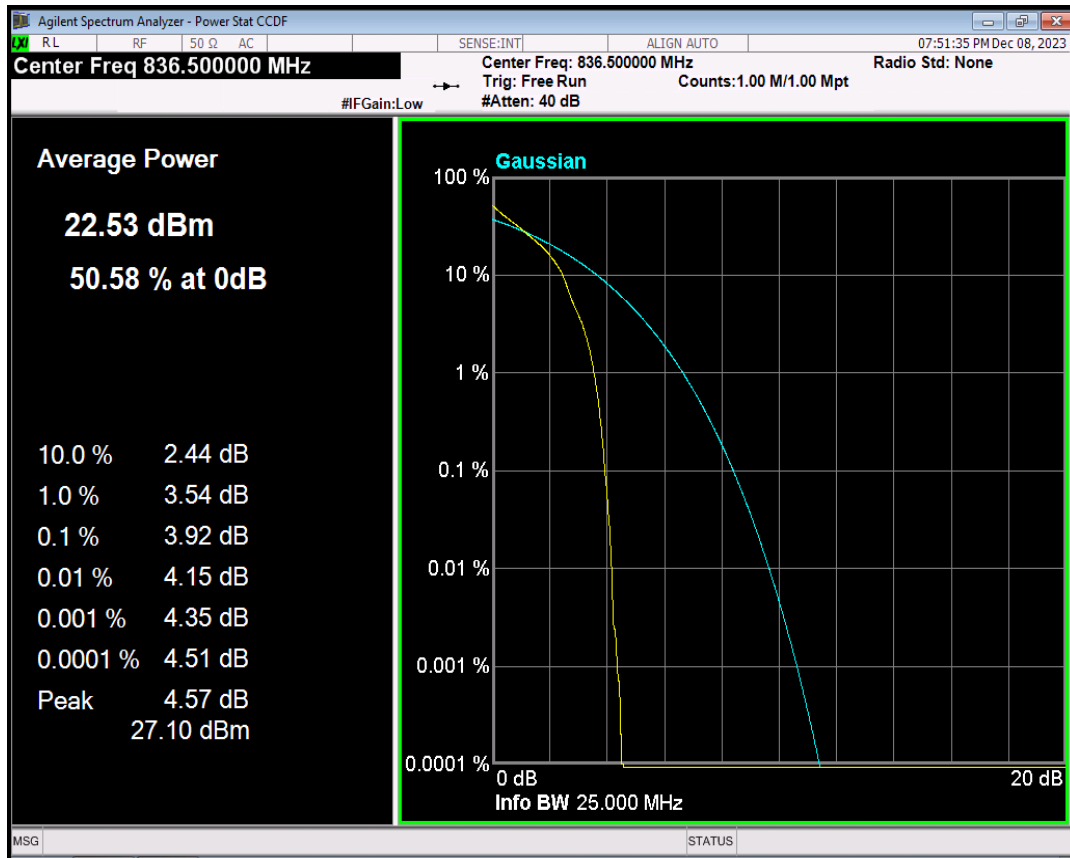




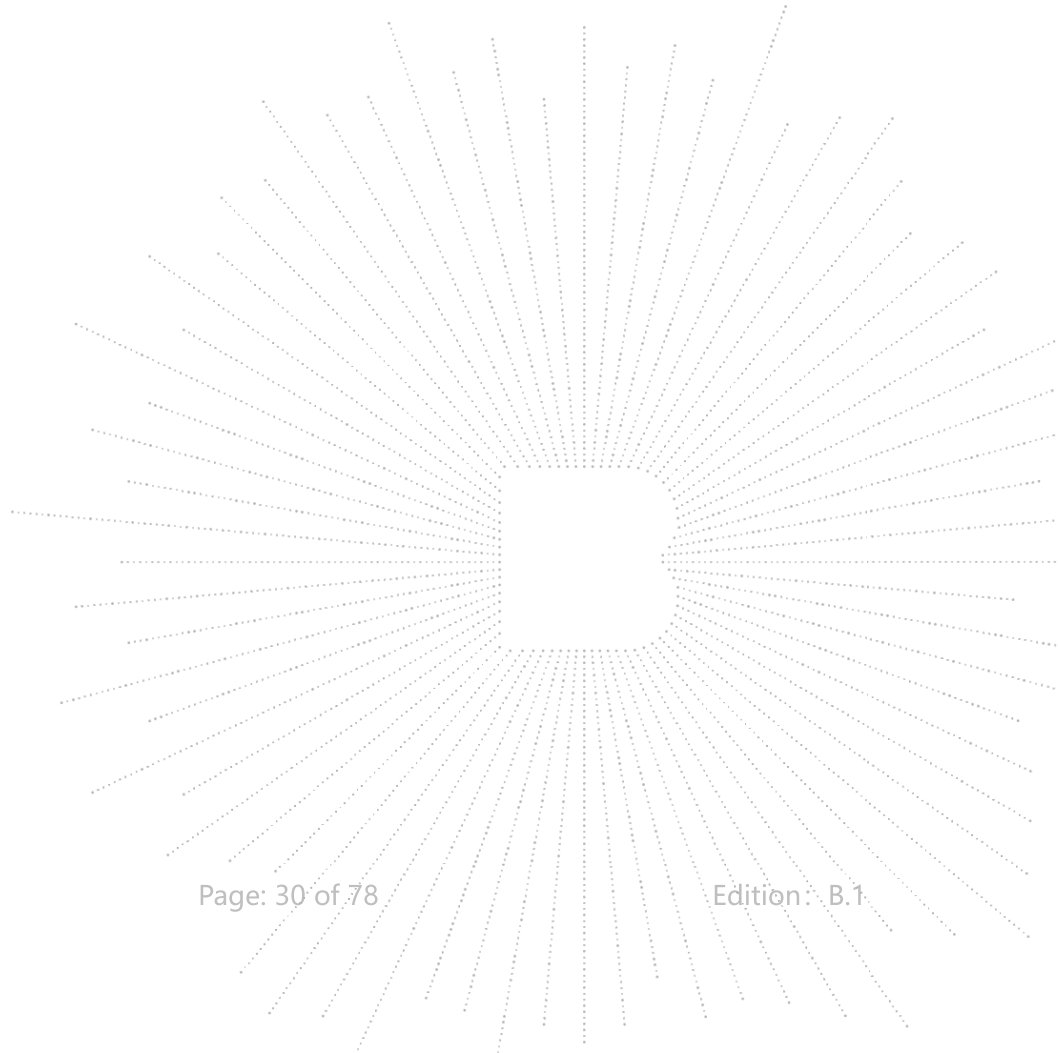
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

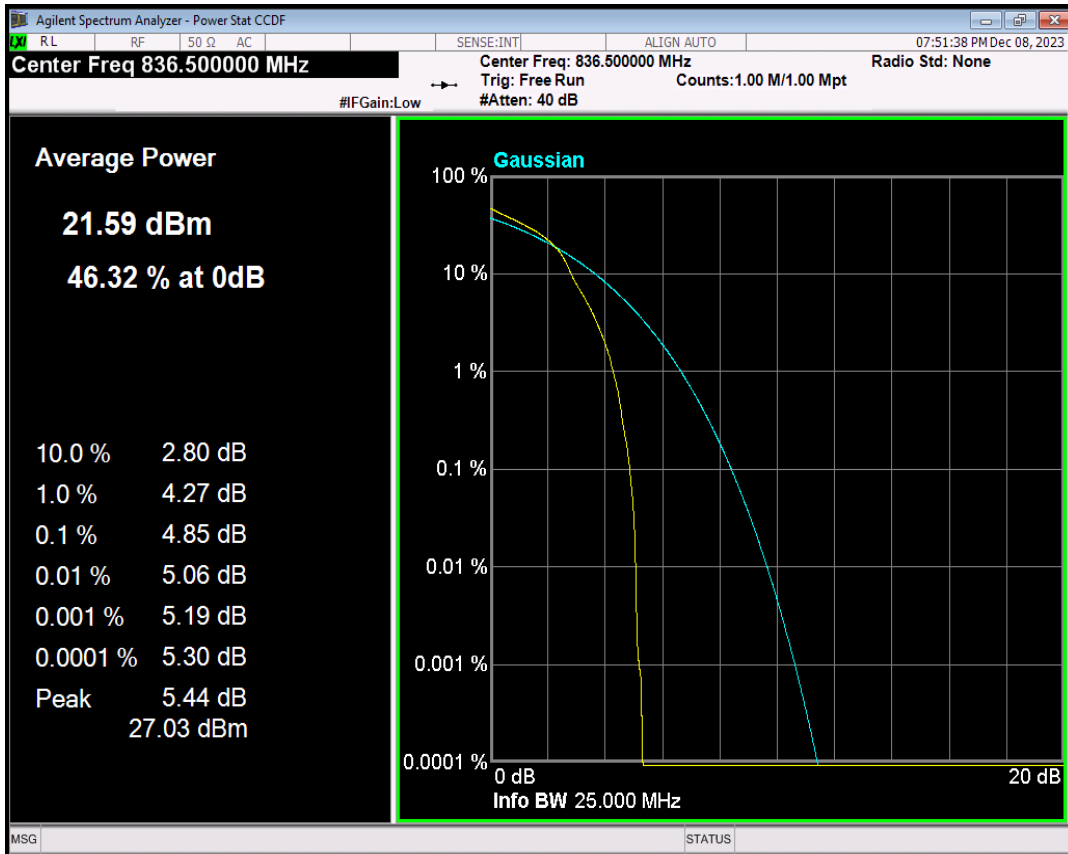


Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

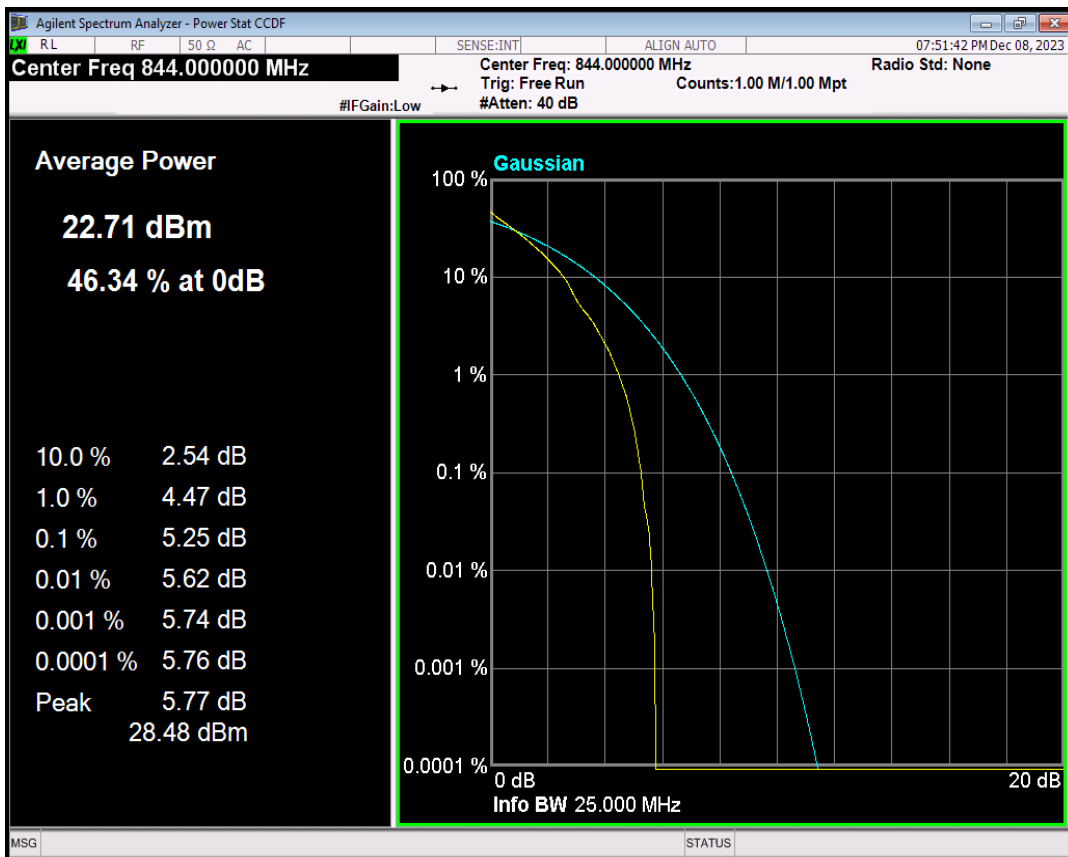


Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0

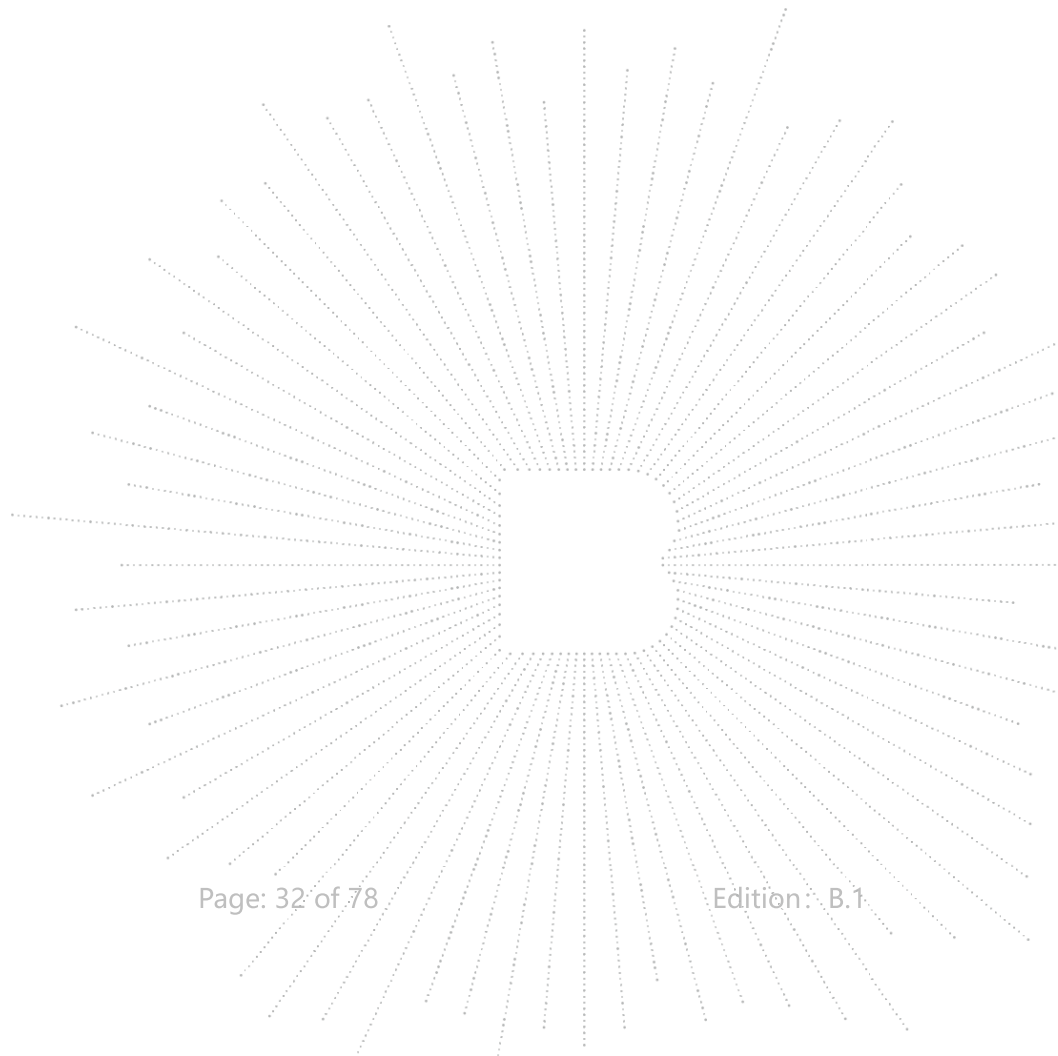
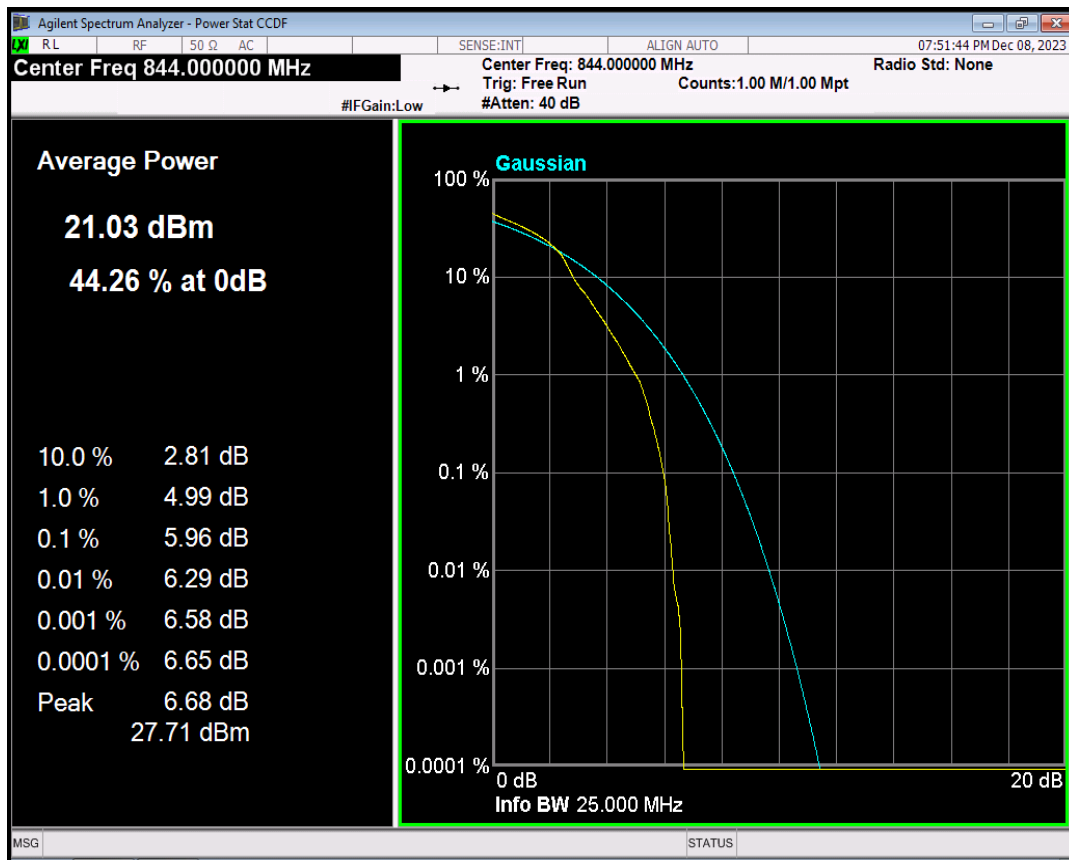




Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



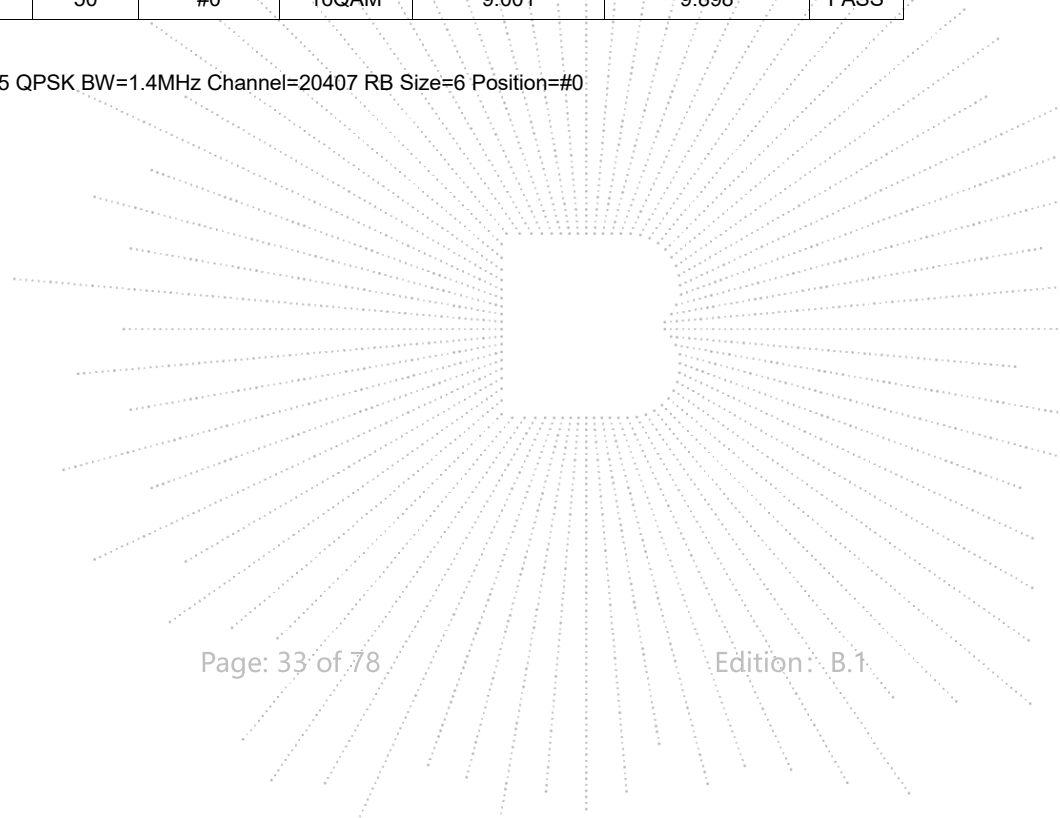
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0

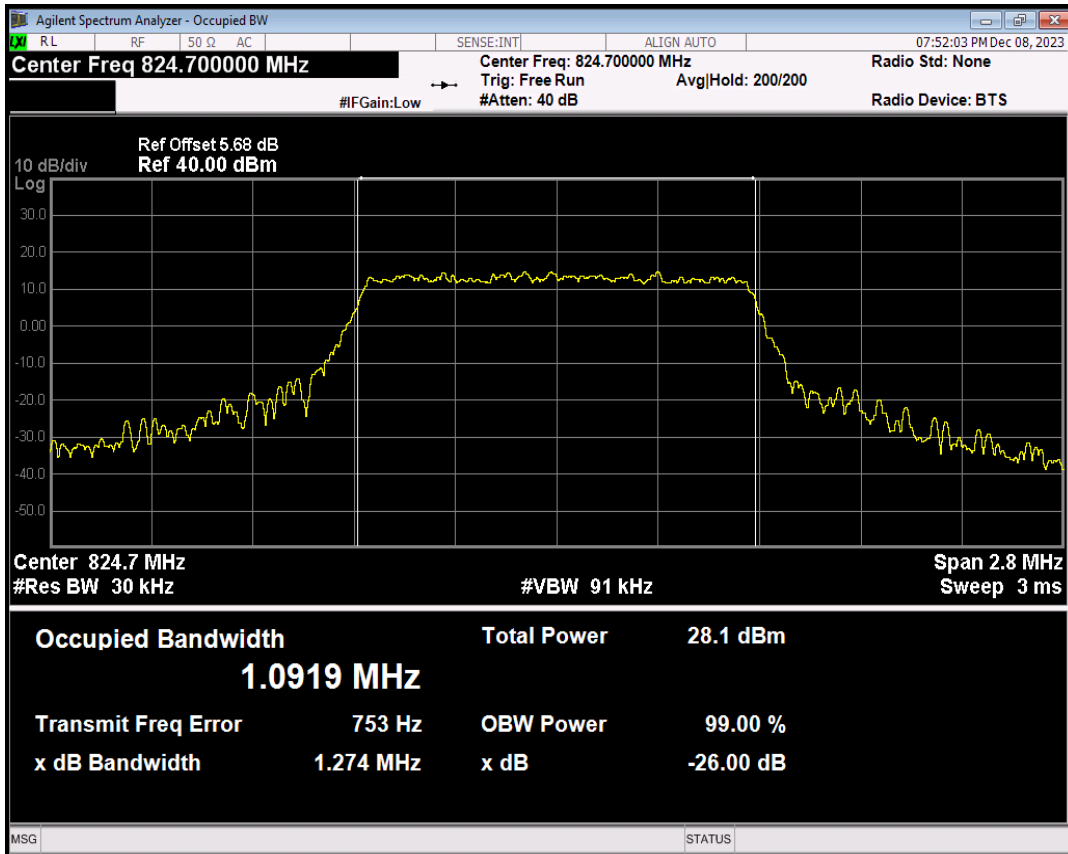


Appendix 4. Occupied bandwidth

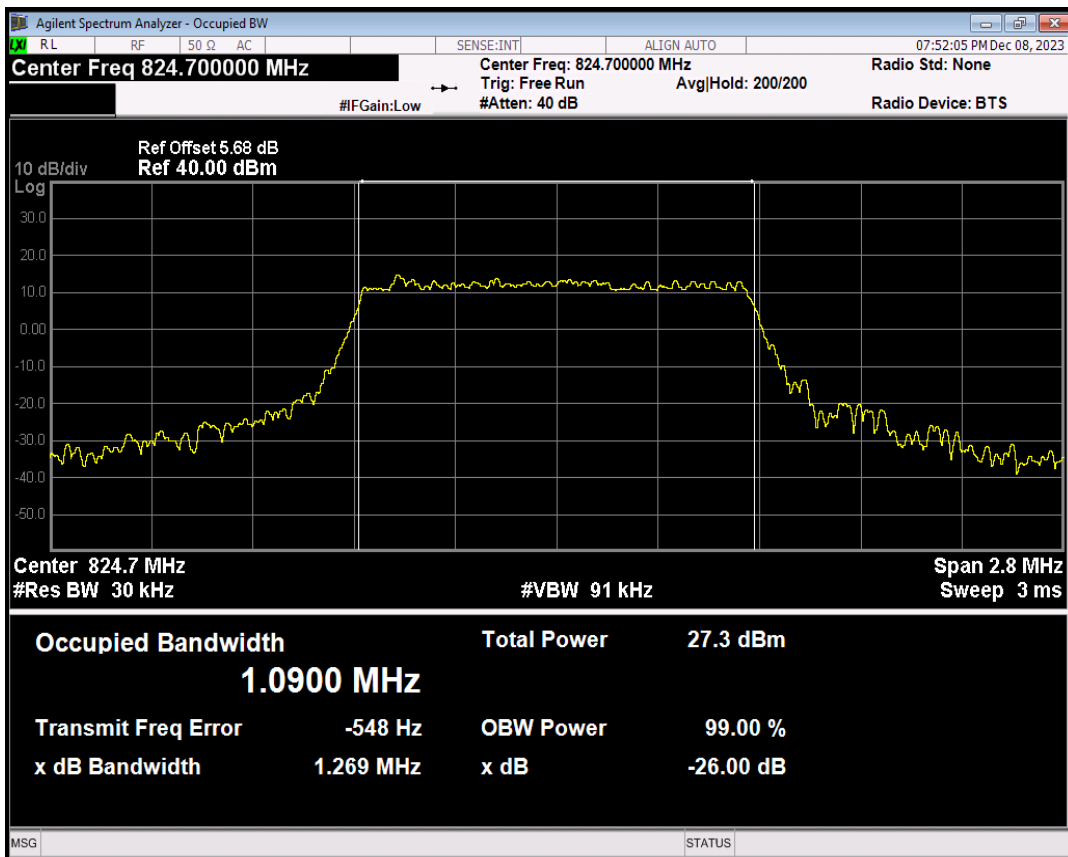
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.092	1.274	PASS
Band5	1.4	20407	6	#0	16QAM	1.090	1.269	PASS
Band5	1.4	20525	6	#0	QPSK	1.098	1.266	PASS
Band5	1.4	20525	6	#0	16QAM	1.101	1.271	PASS
Band5	1.4	20643	6	#0	QPSK	1.097	1.277	PASS
Band5	1.4	20643	6	#0	16QAM	1.105	1.256	PASS
Band5	3	20415	15	#0	QPSK	2.718	3.092	PASS
Band5	3	20415	15	#0	16QAM	2.717	3.044	PASS
Band5	3	20525	15	#0	QPSK	2.711	3.009	PASS
Band5	3	20525	15	#0	16QAM	2.706	3.136	PASS
Band5	3	20635	15	#0	QPSK	2.707	3.057	PASS
Band5	3	20635	15	#0	16QAM	2.706	3.135	PASS
Band5	5	20425	25	#0	QPSK	4.508	5.230	PASS
Band5	5	20425	25	#0	16QAM	4.509	5.234	PASS
Band5	5	20525	25	#0	QPSK	4.518	5.052	PASS
Band5	5	20525	25	#0	16QAM	4.518	5.378	PASS
Band5	5	20625	25	#0	QPSK	4.509	5.341	PASS
Band5	5	20625	25	#0	16QAM	4.515	5.283	PASS
Band5	10	20450	50	#0	QPSK	9.029	9.908	PASS
Band5	10	20450	50	#0	16QAM	8.998	9.885	PASS
Band5	10	20525	50	#0	QPSK	8.984	9.838	PASS
Band5	10	20525	50	#0	16QAM	8.979	10.043	PASS
Band5	10	20600	50	#0	QPSK	9.003	9.784	PASS
Band5	10	20600	50	#0	16QAM	9.001	9.898	PASS

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



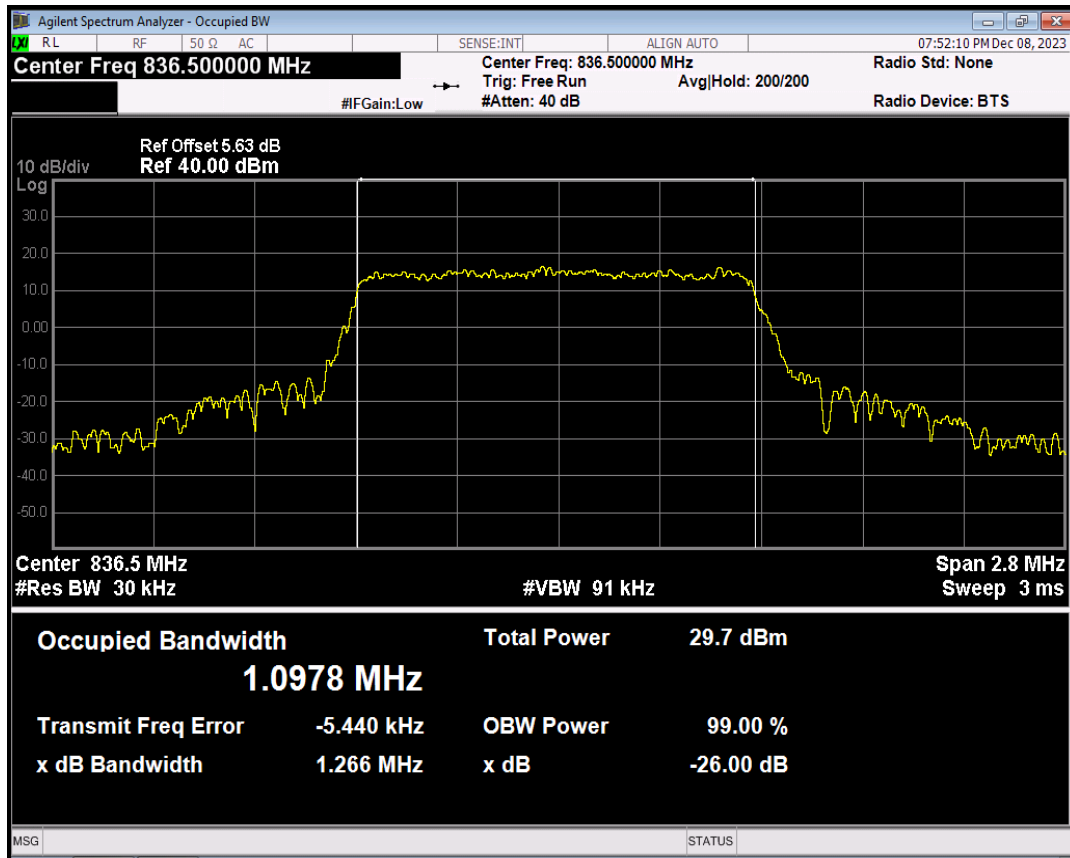


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

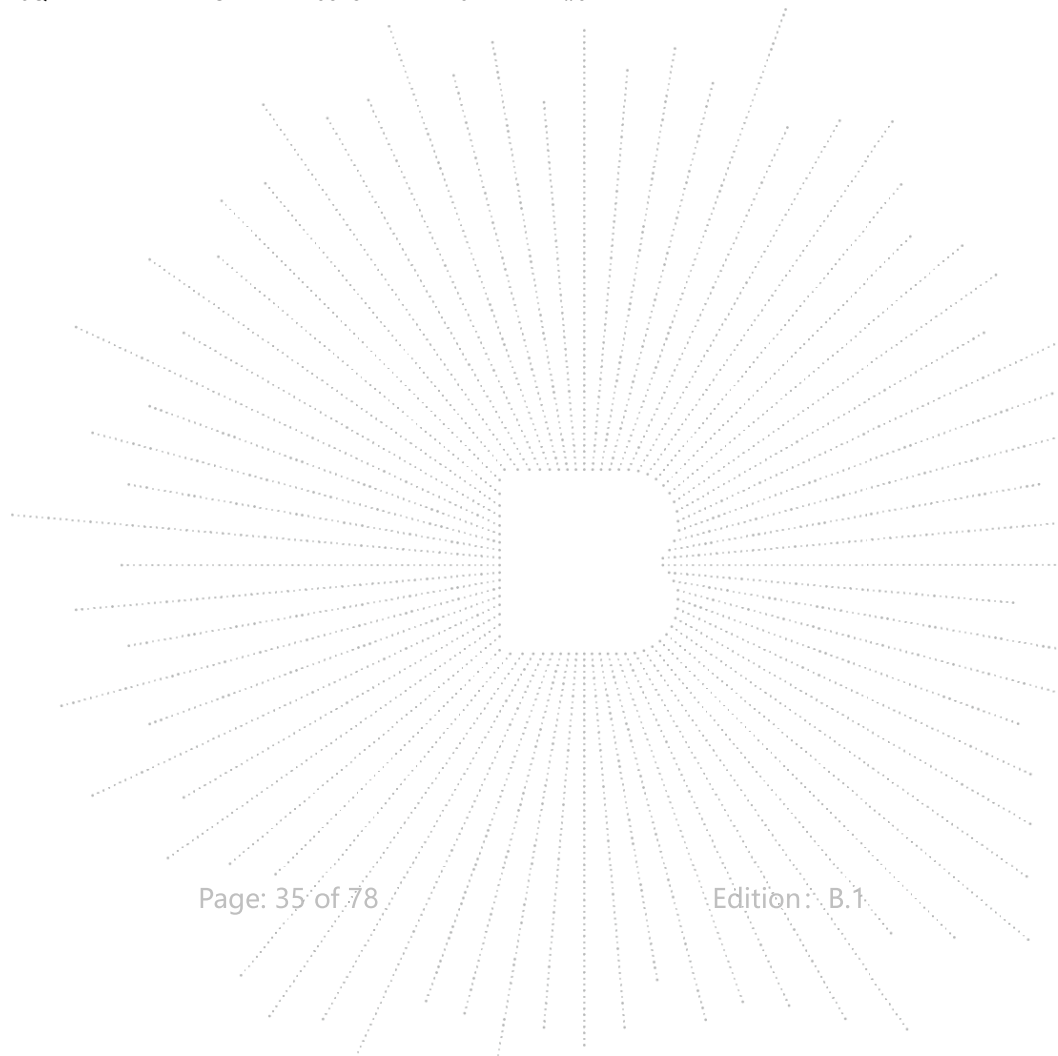


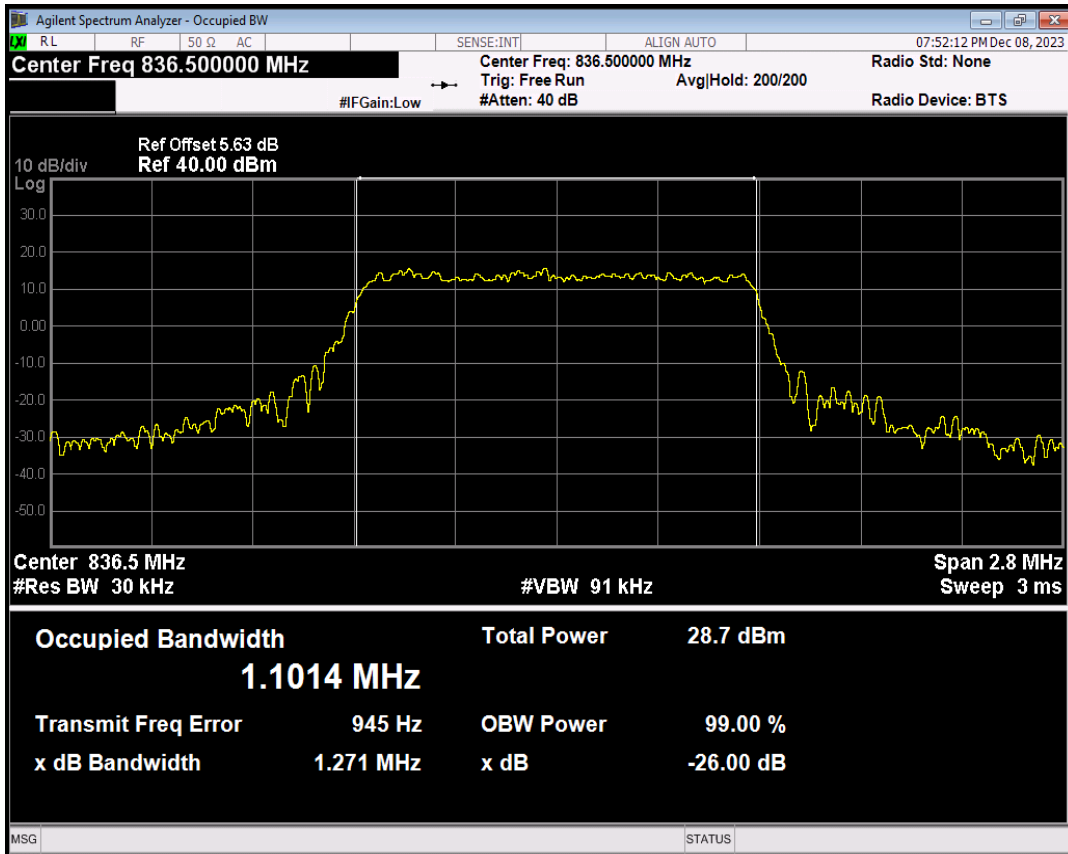


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

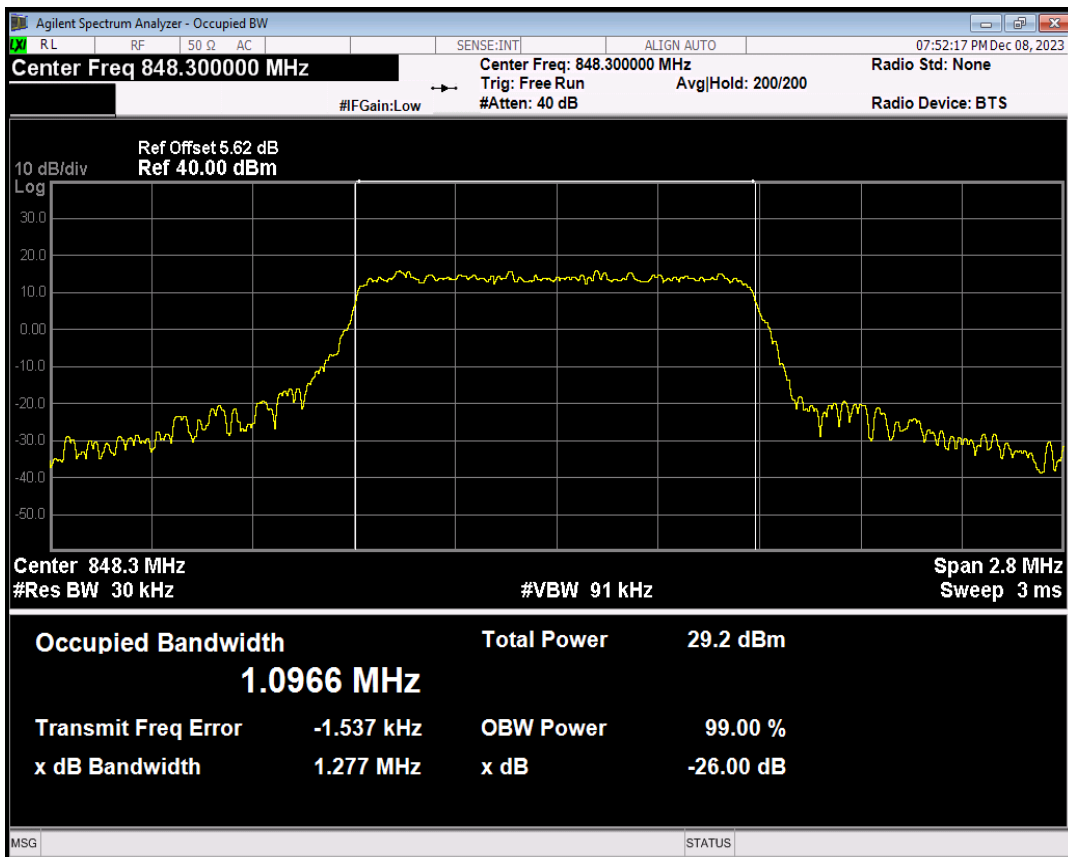


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



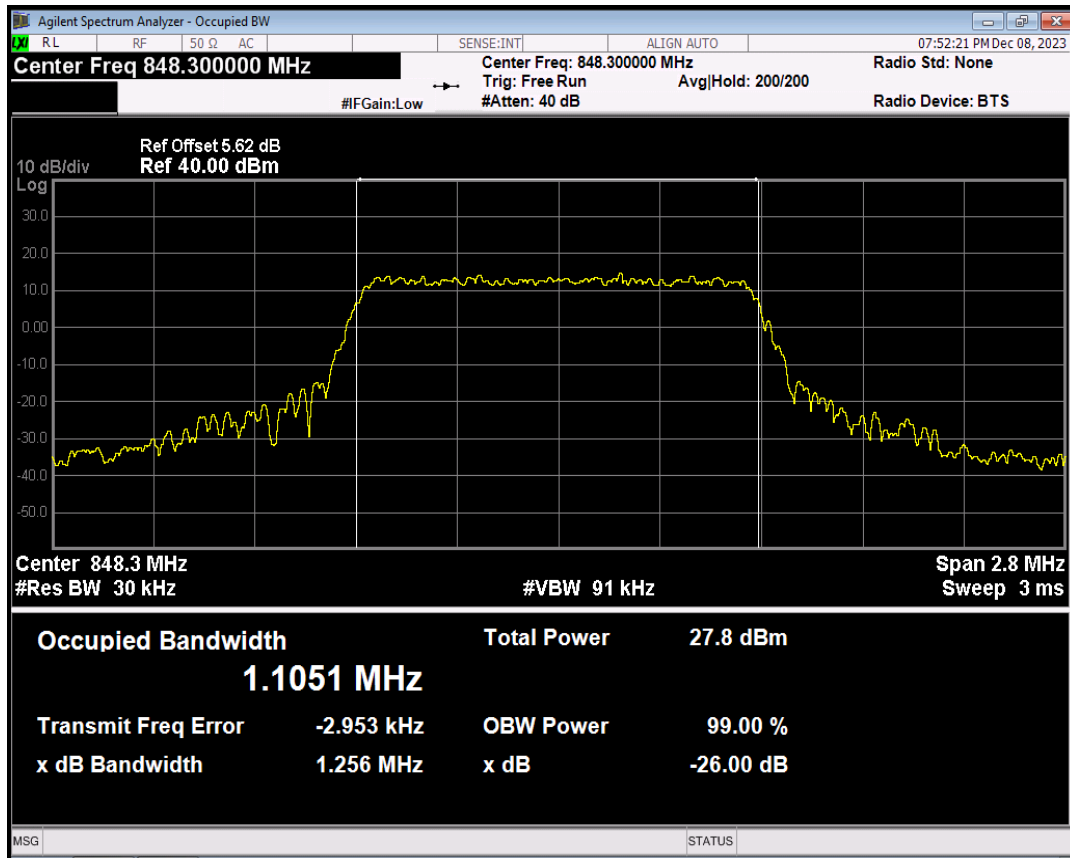


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

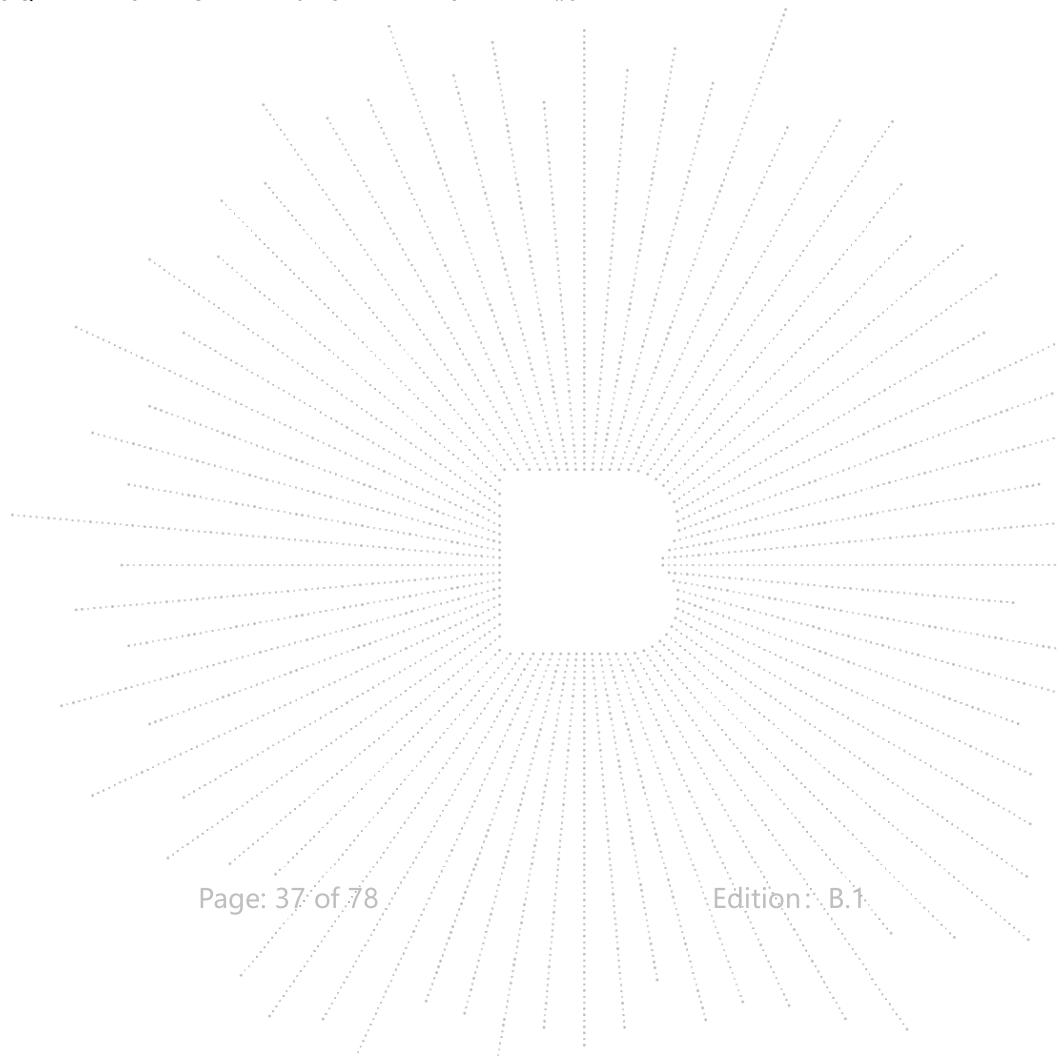


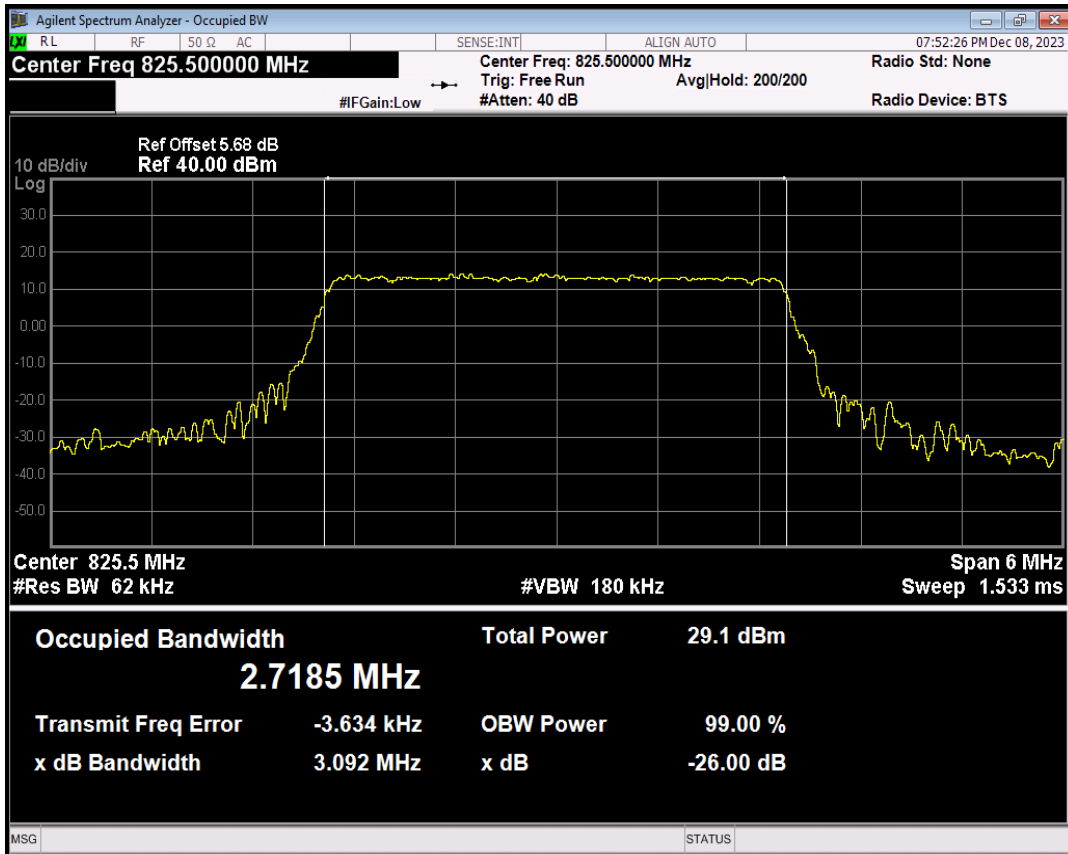


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

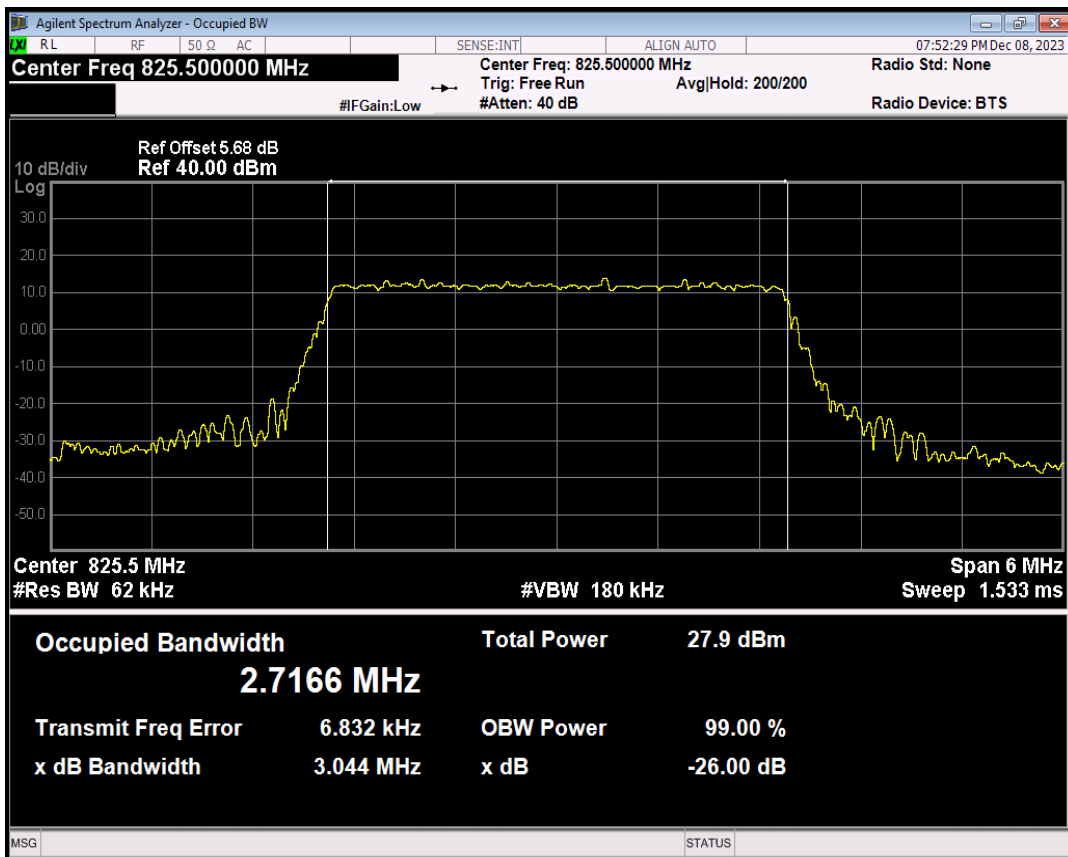


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



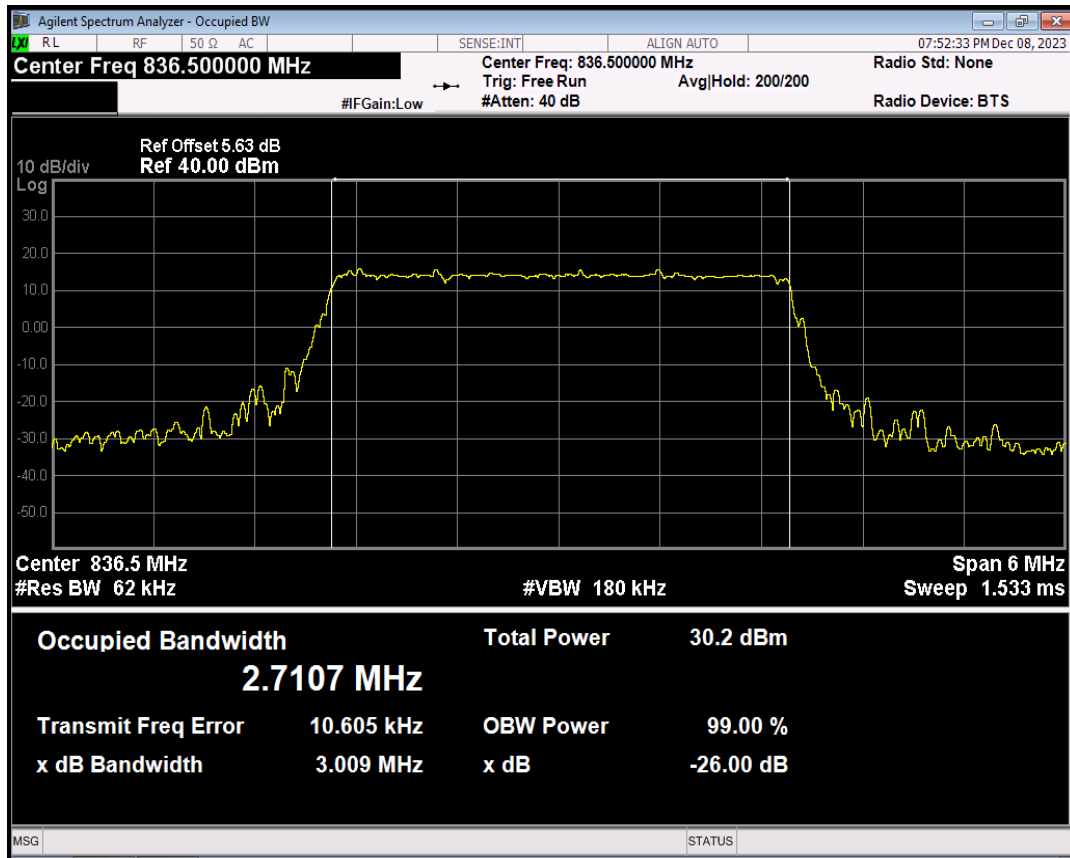


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

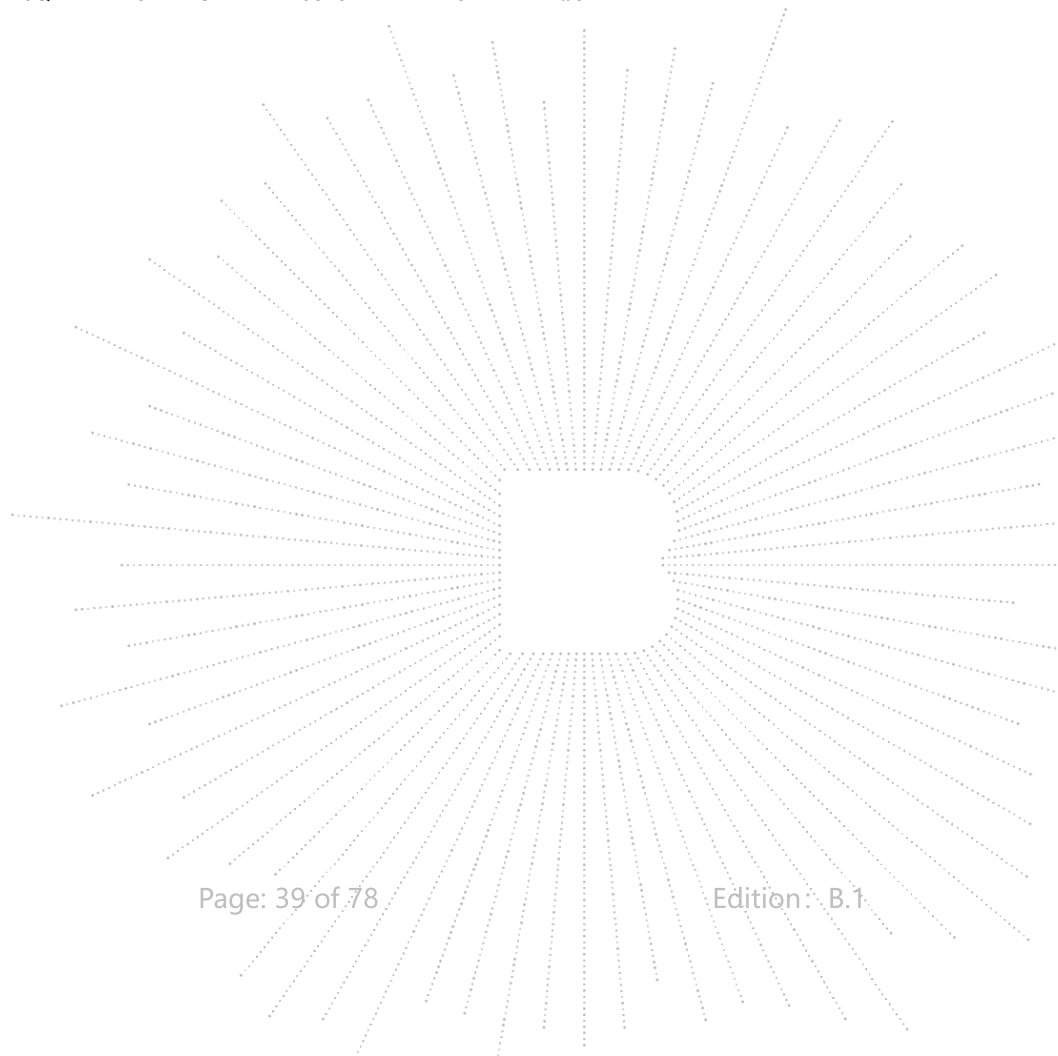


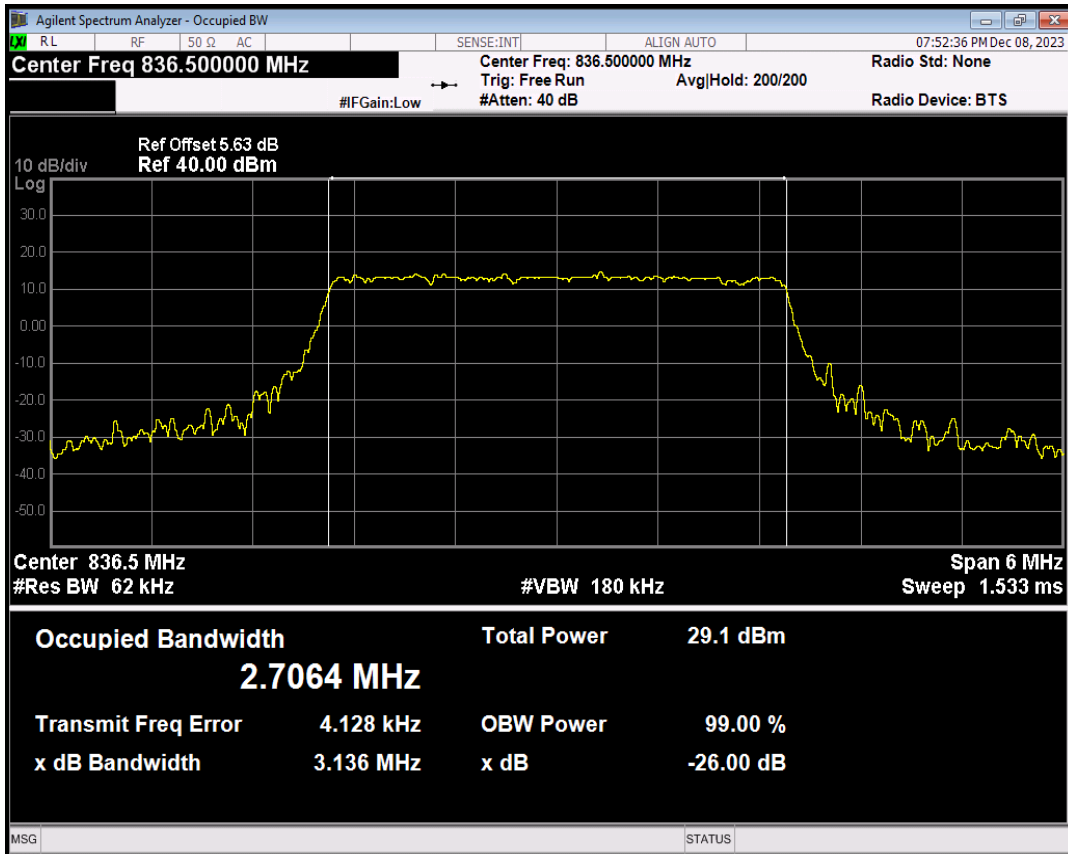


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

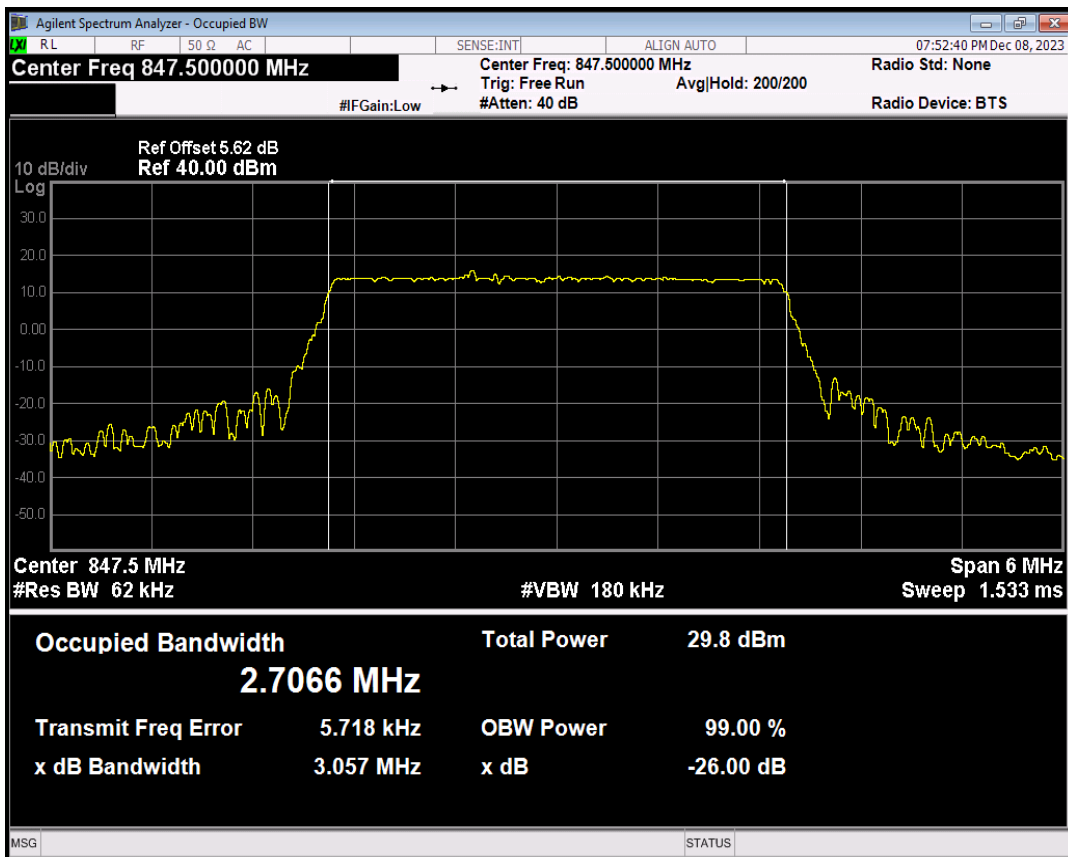


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

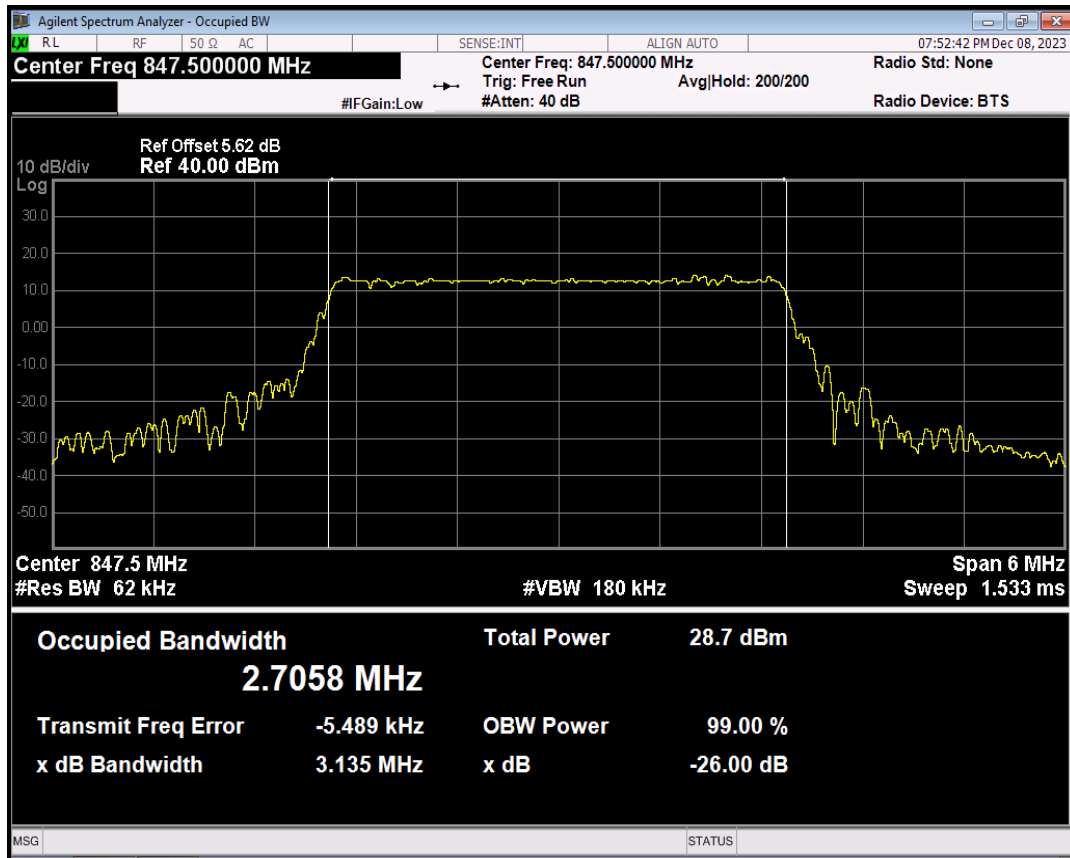




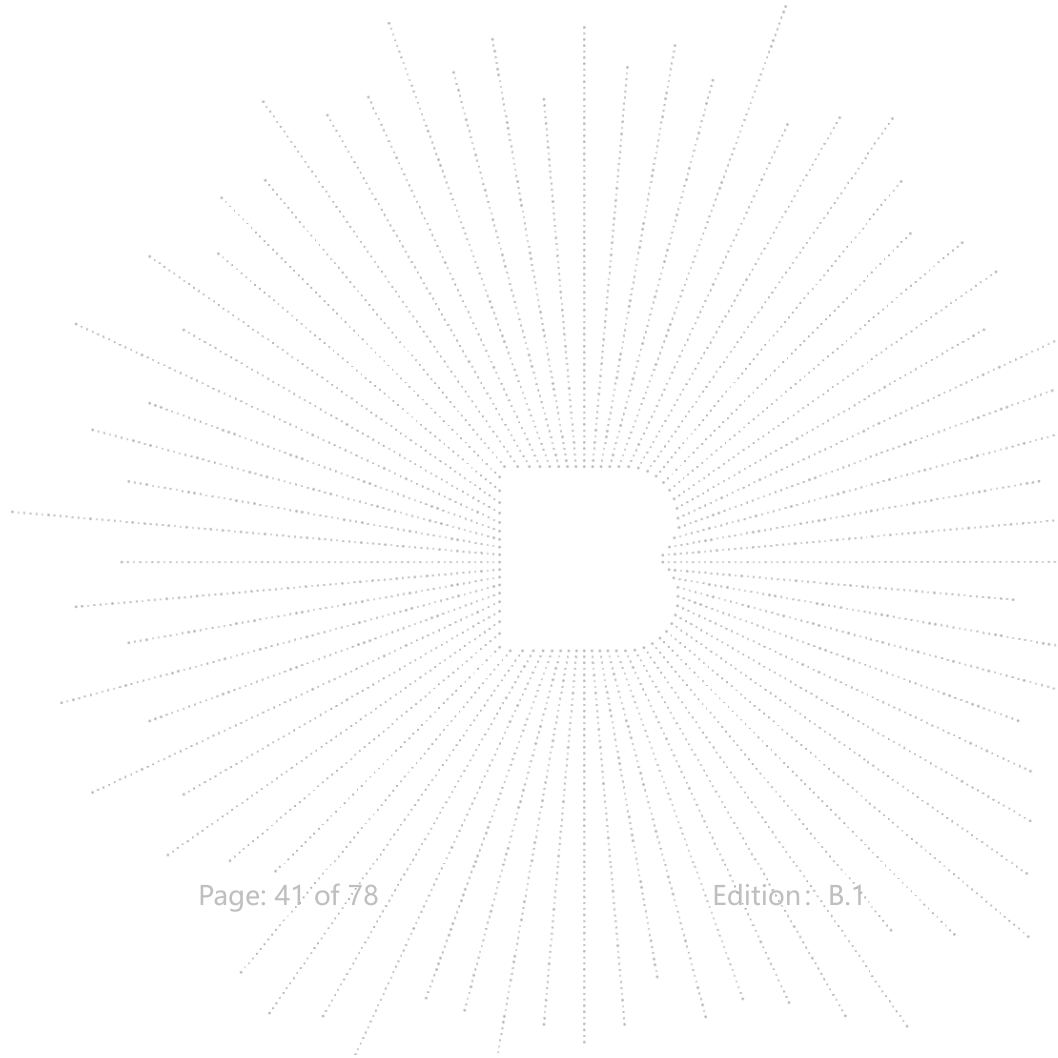
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

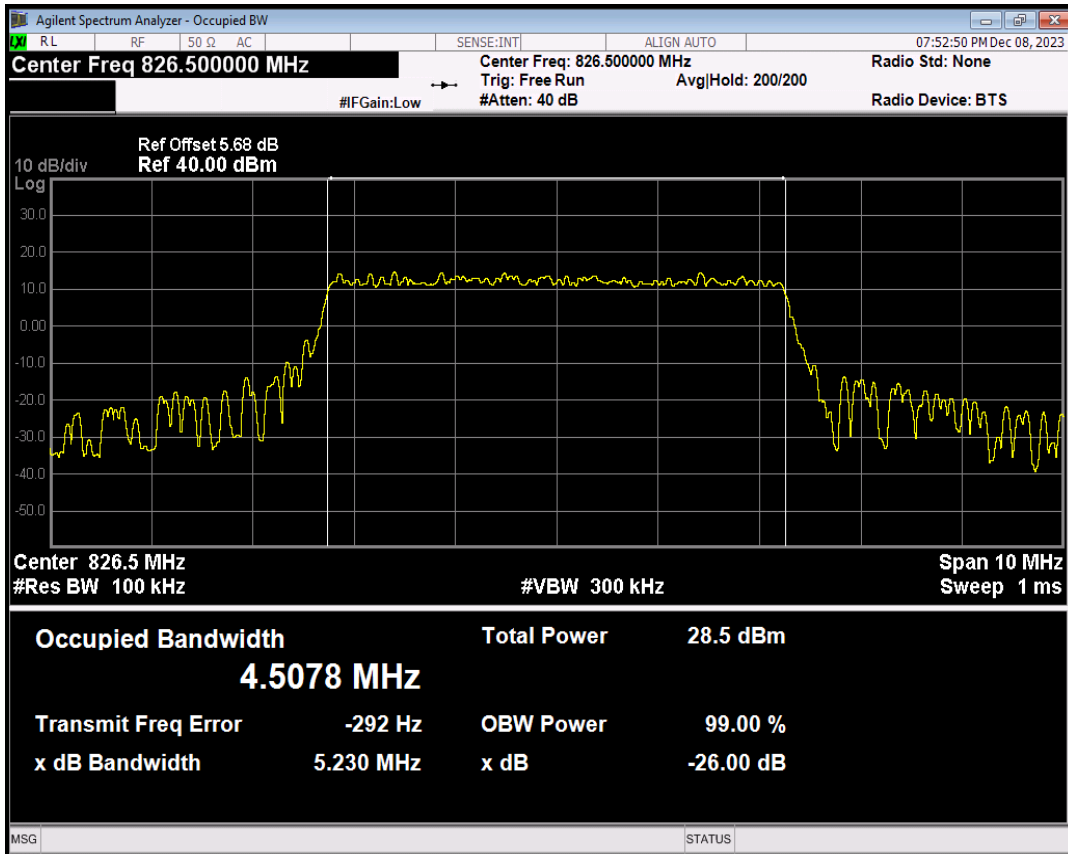


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

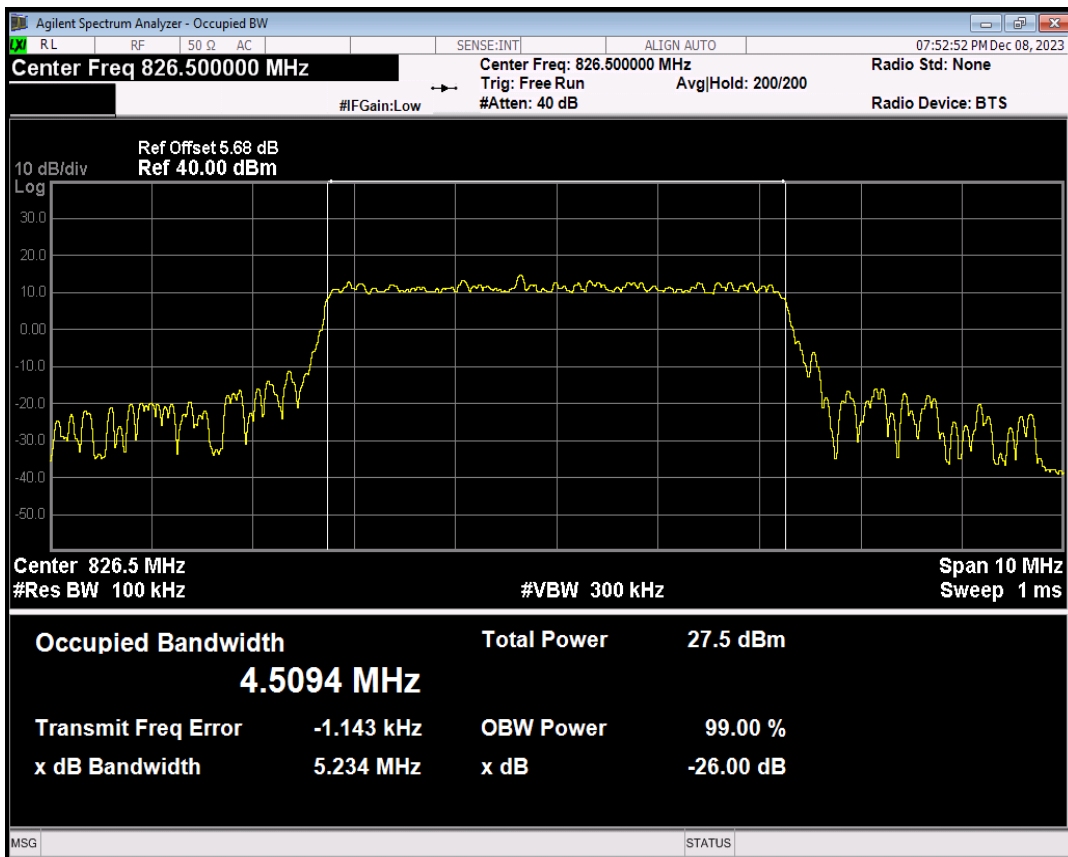


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



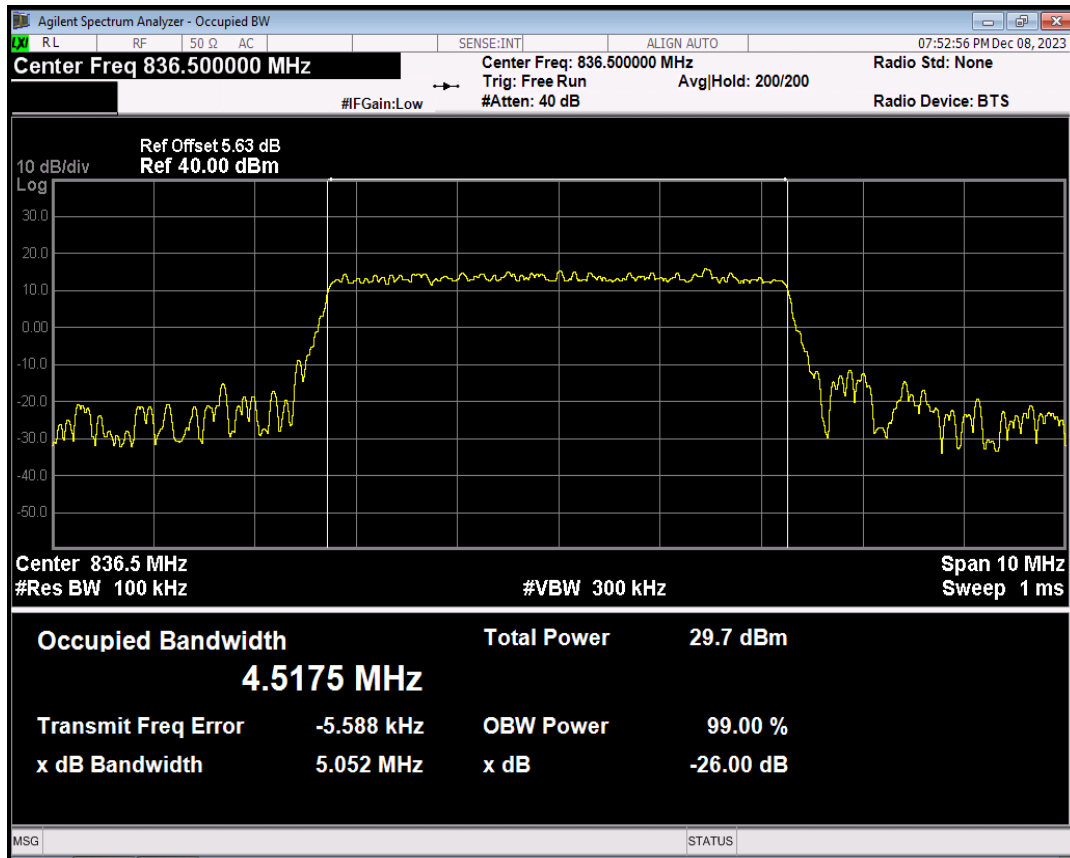


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

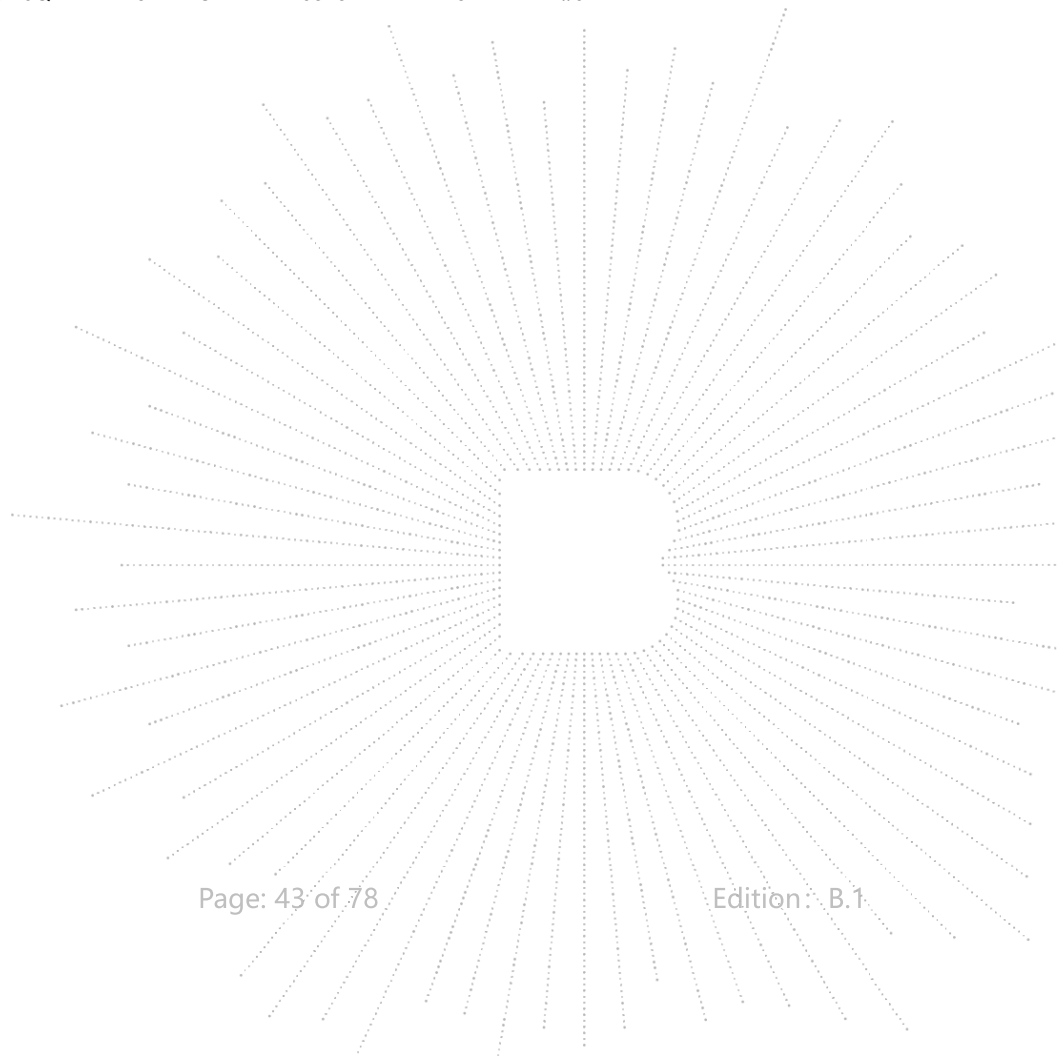


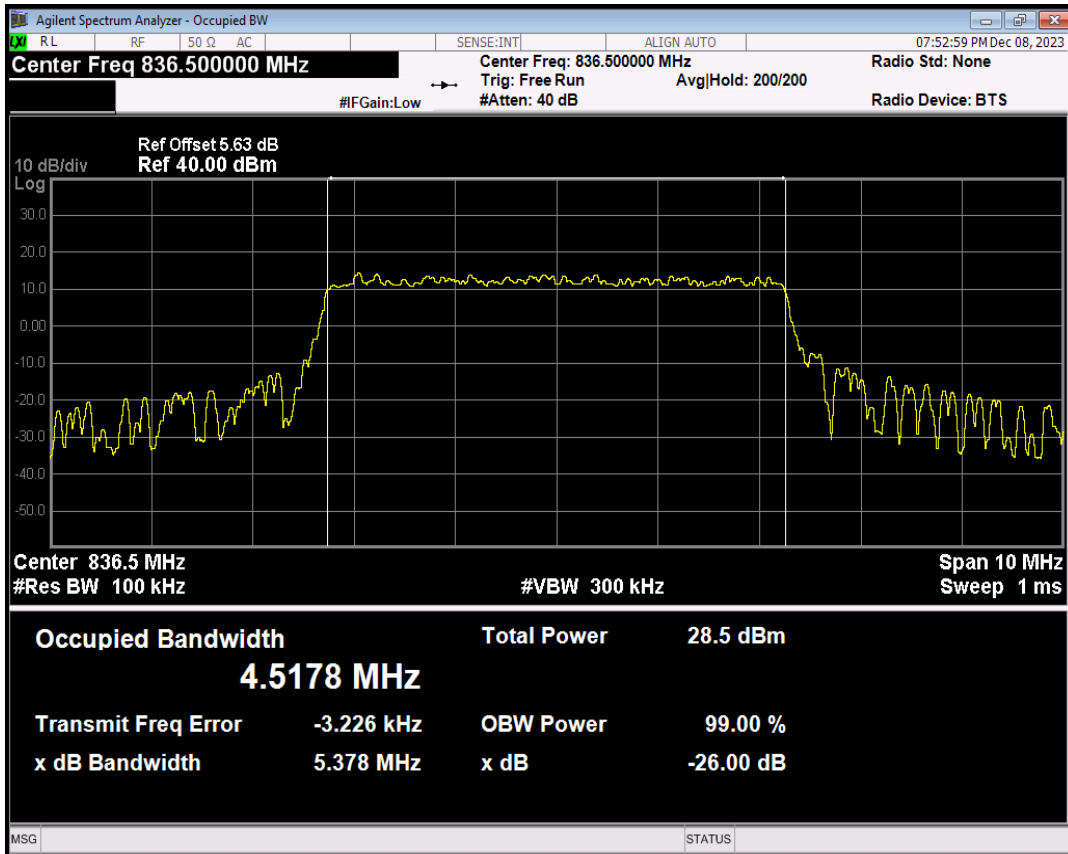


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

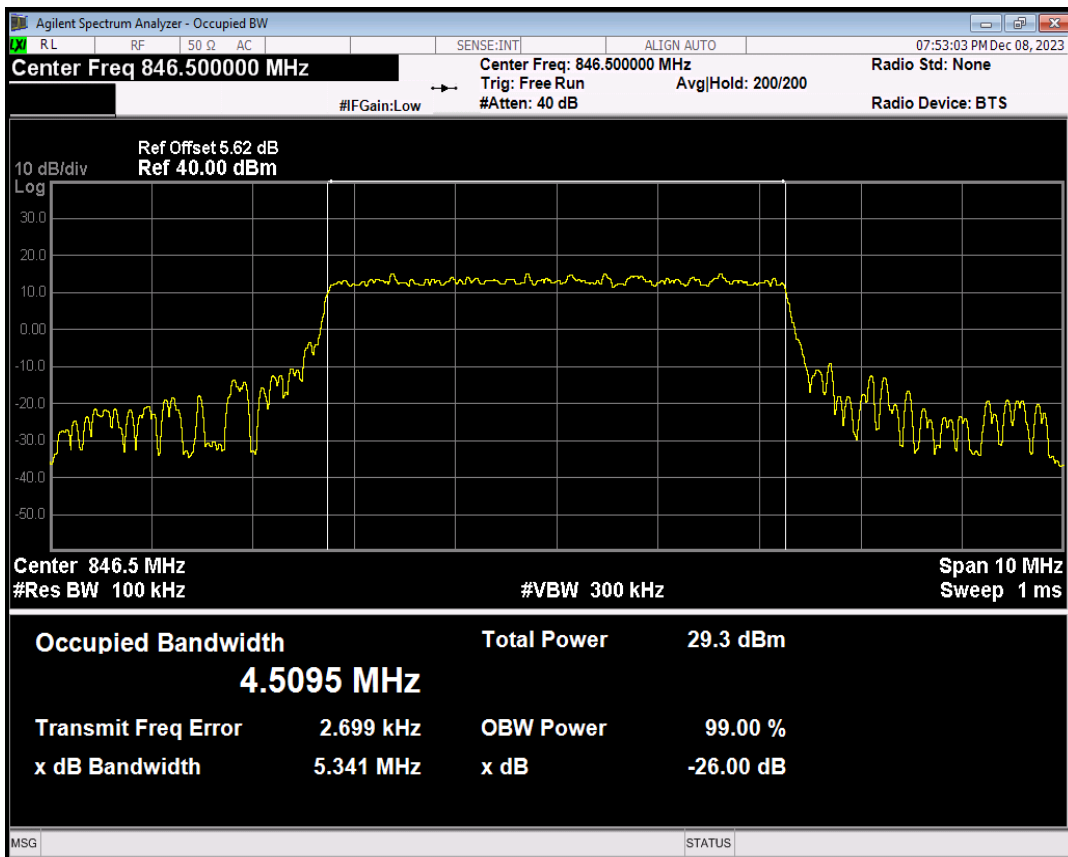


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

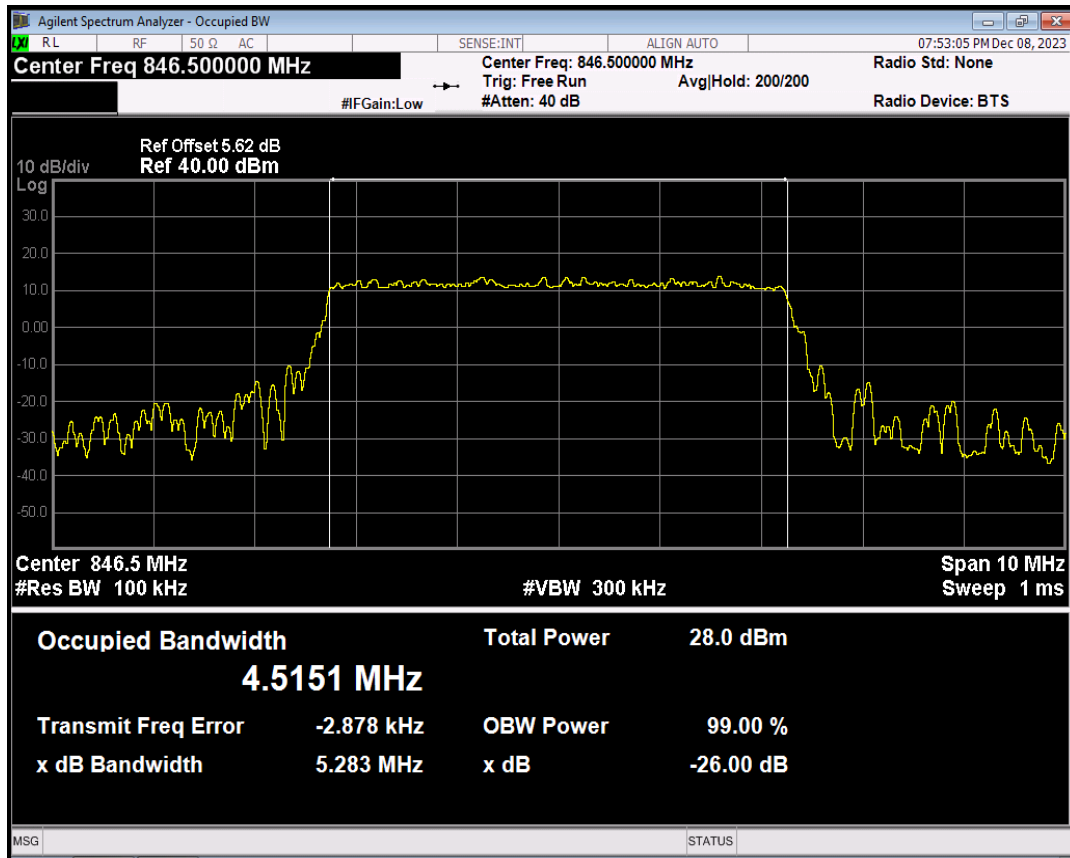




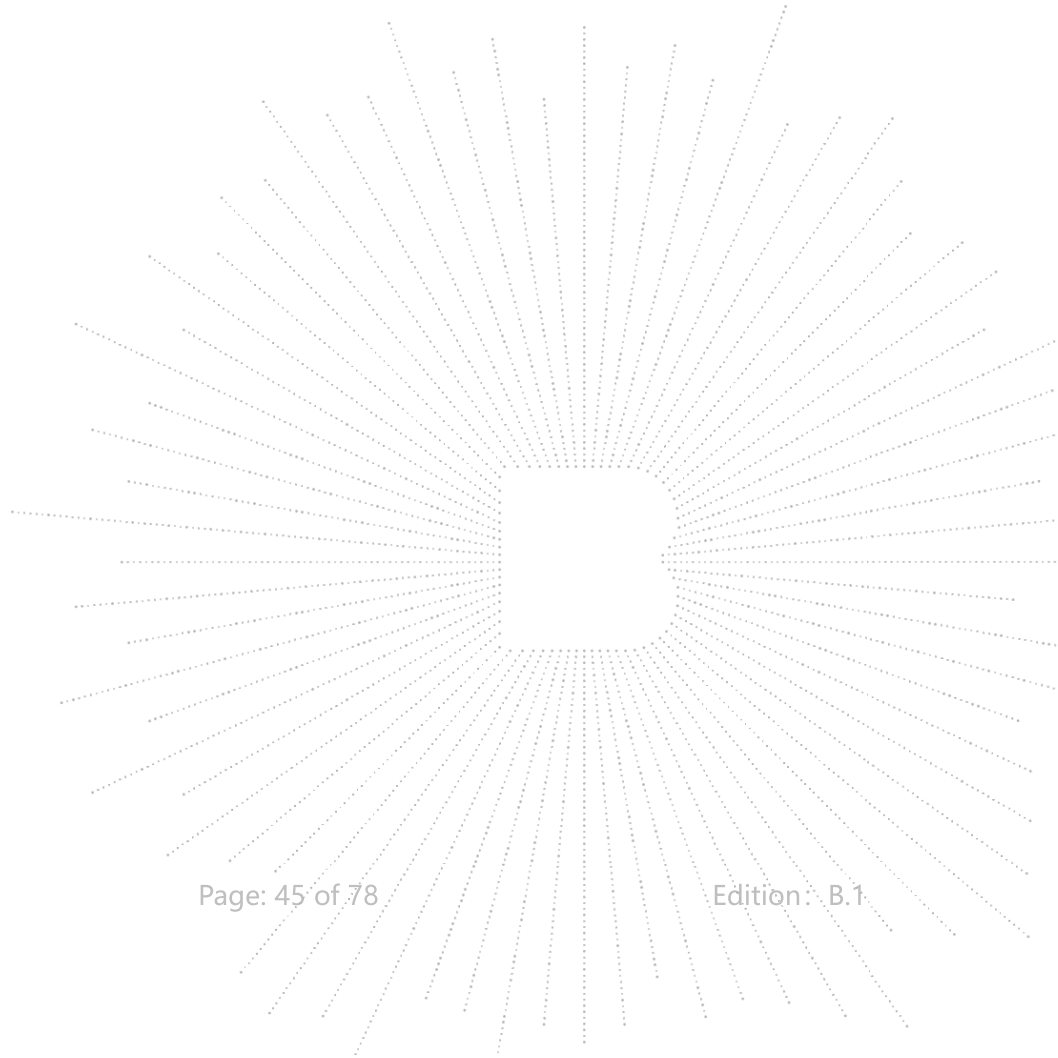
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

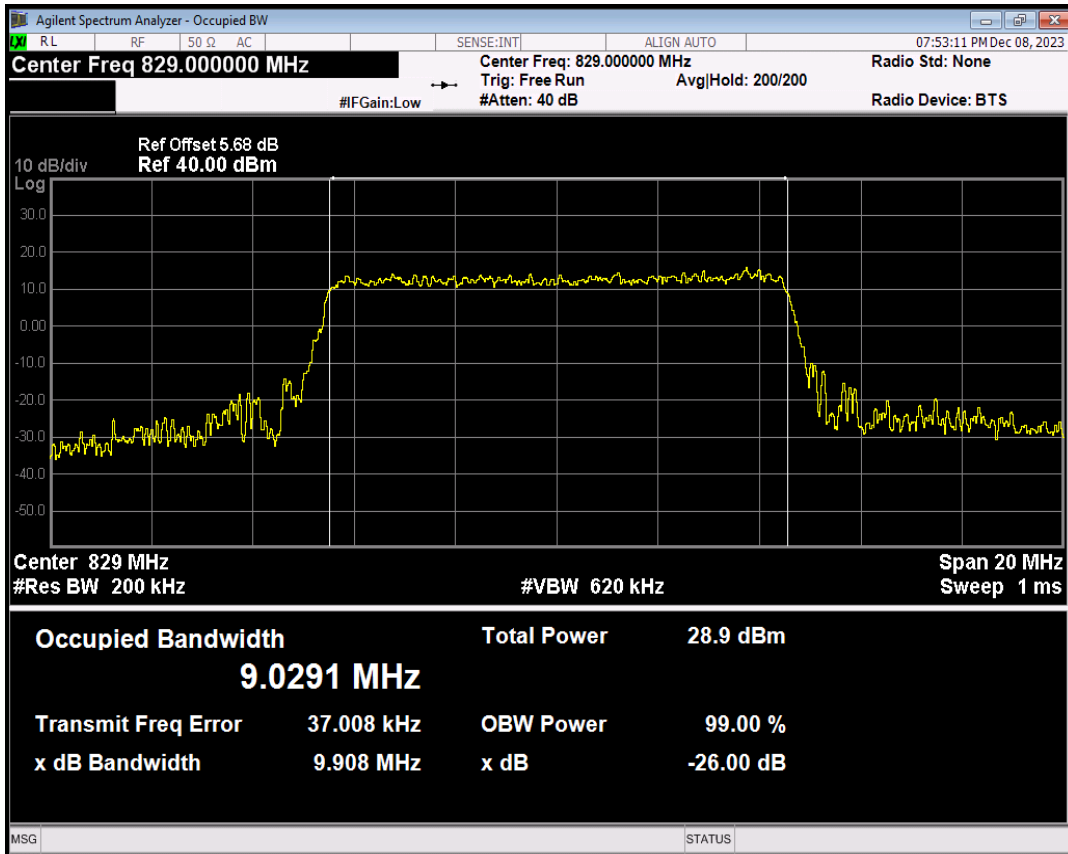


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

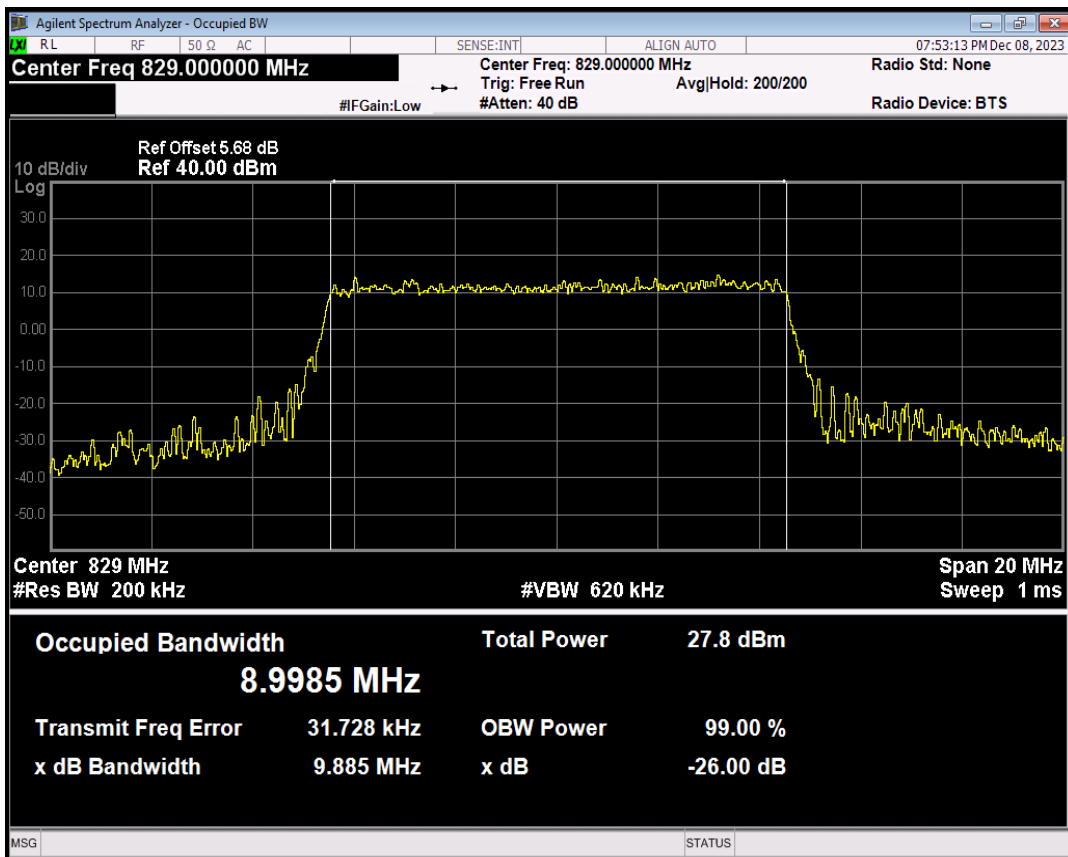


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



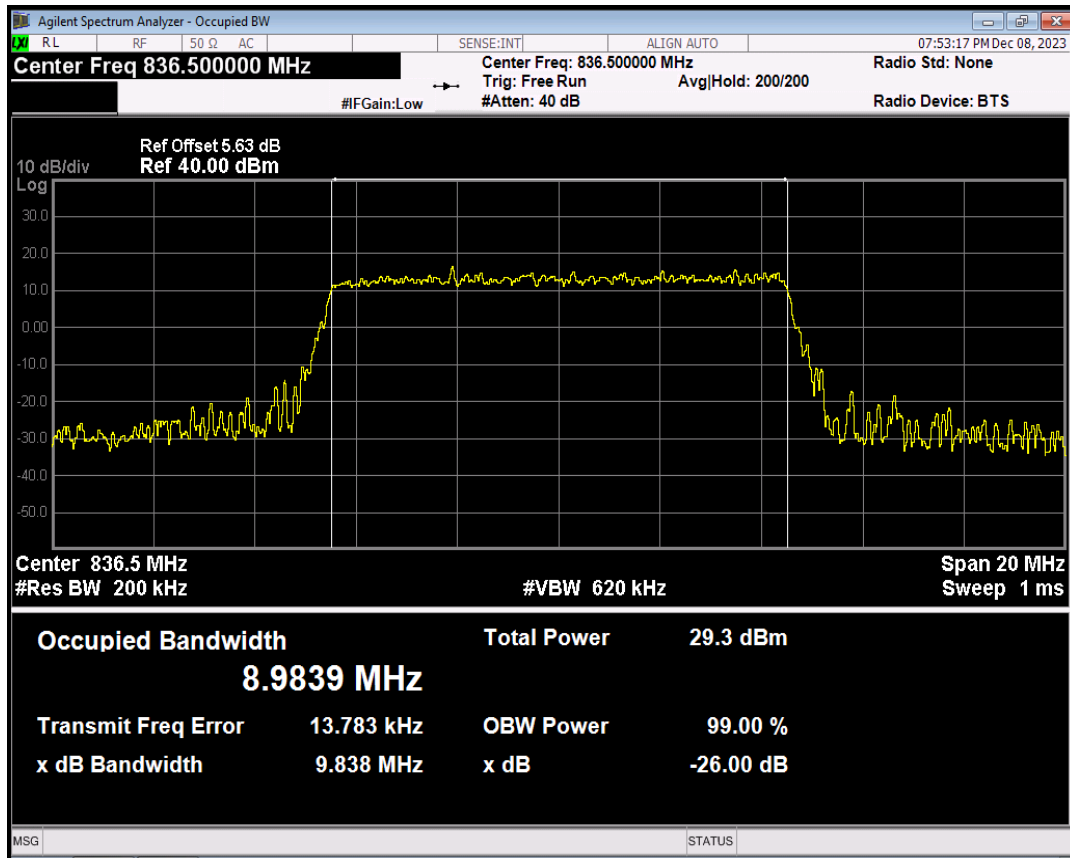


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

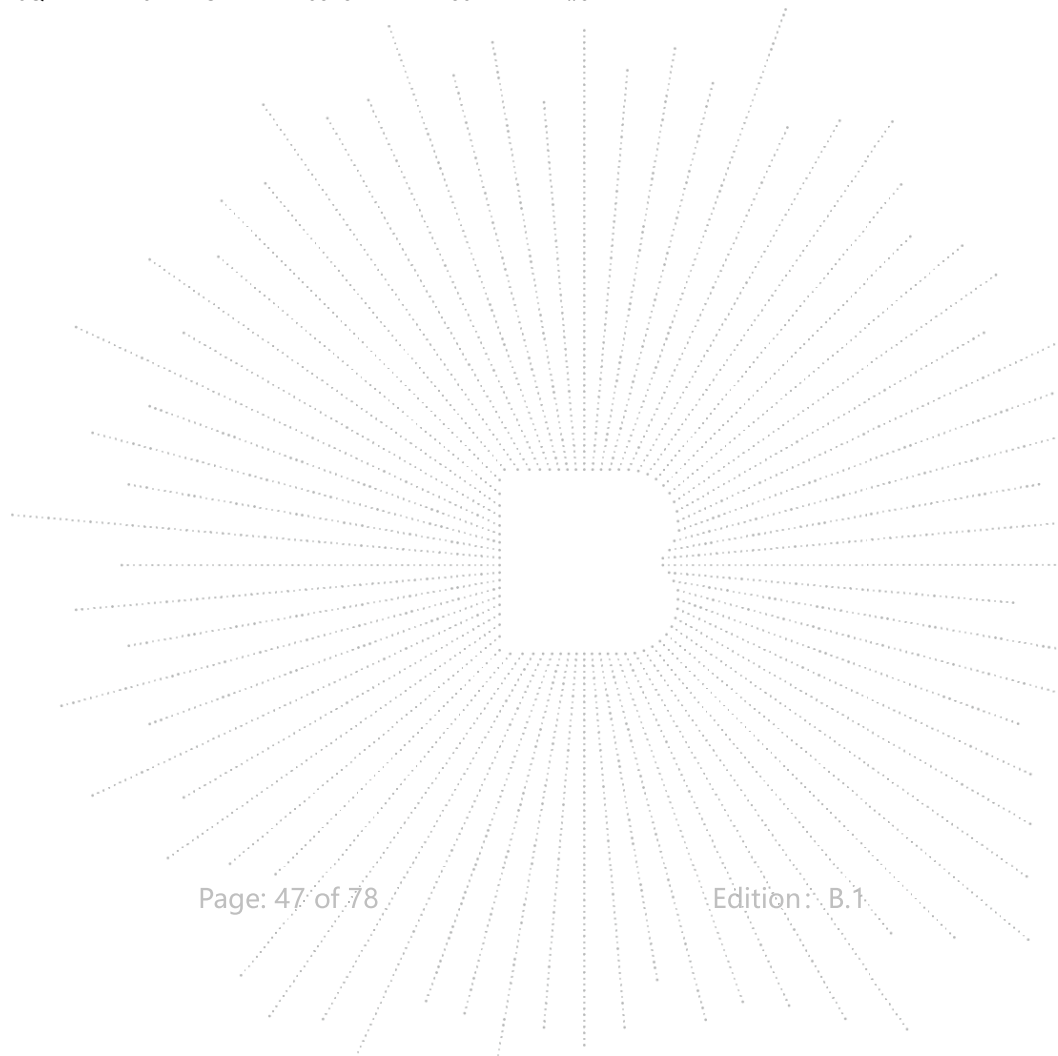


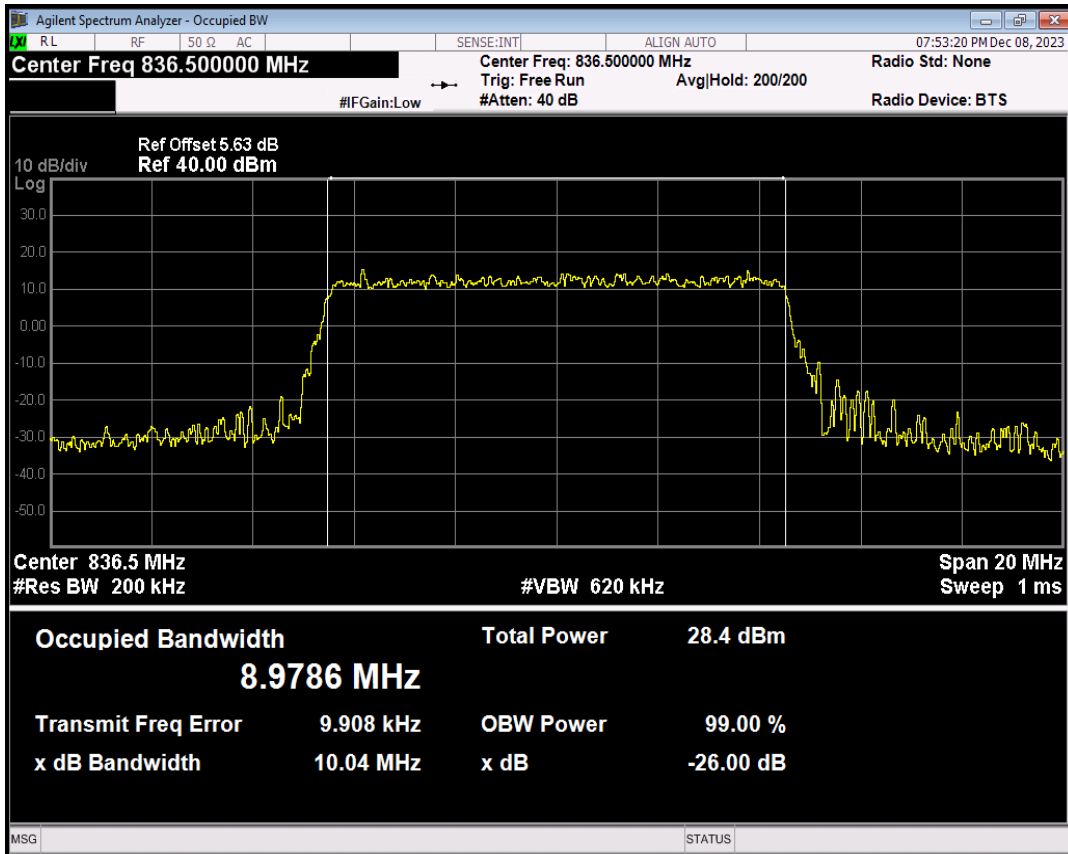


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

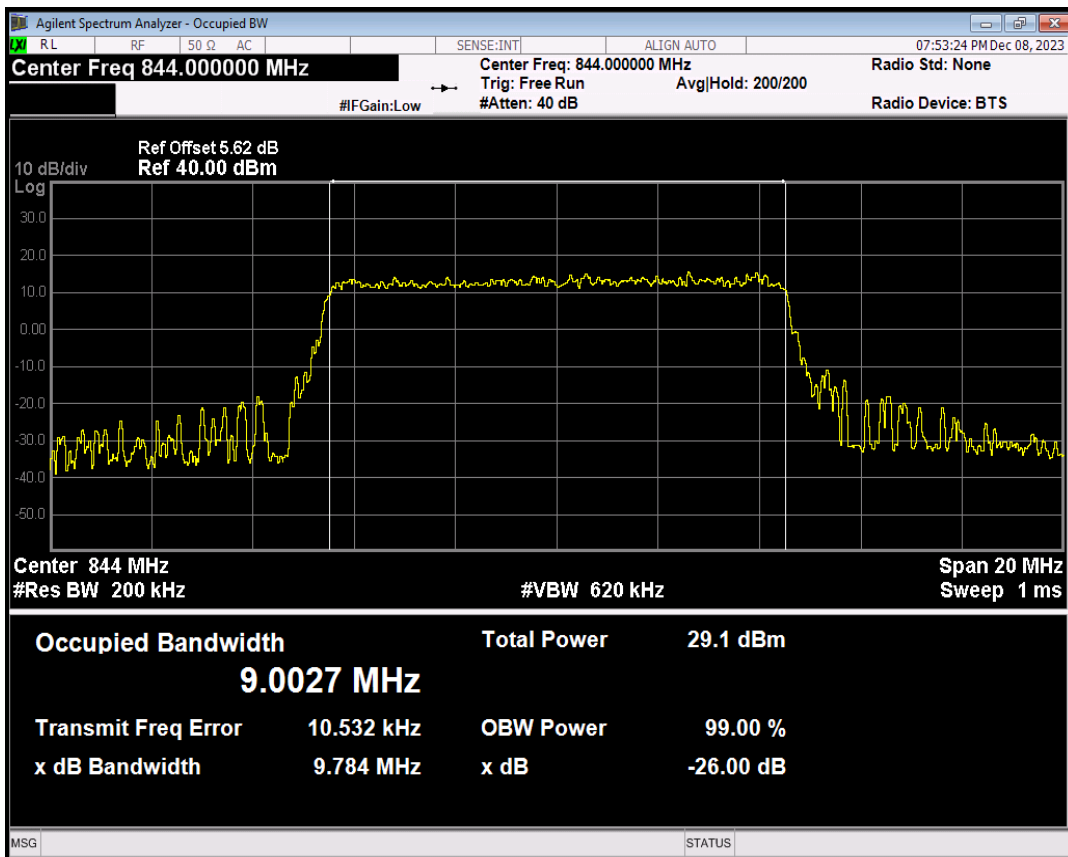


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



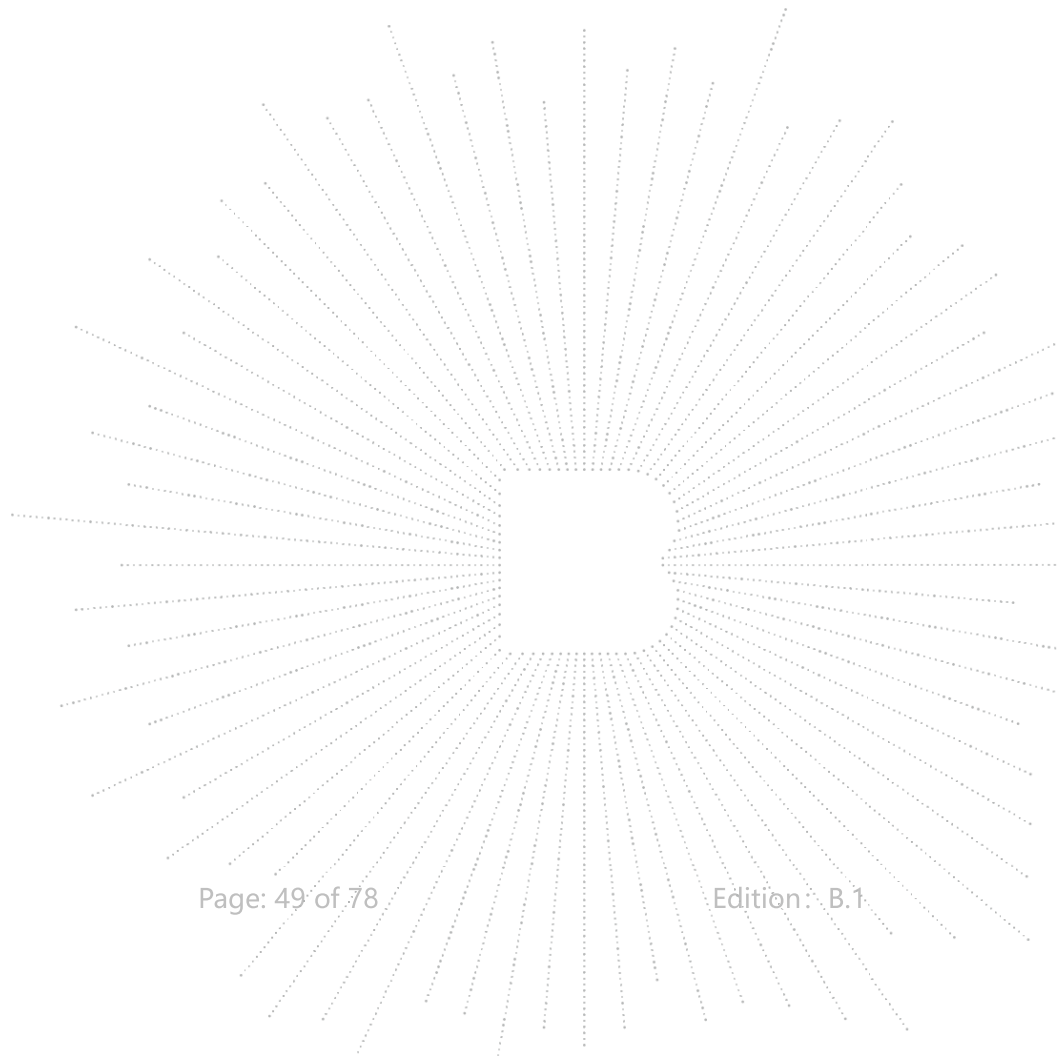
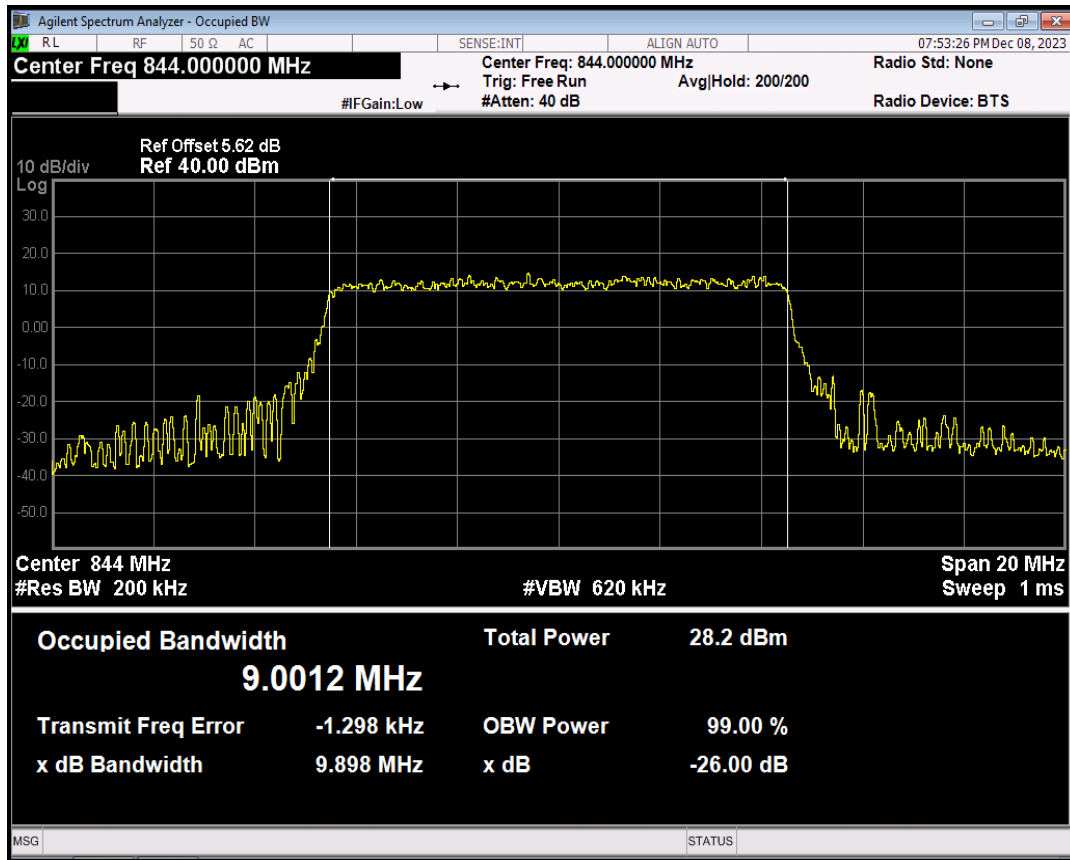


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





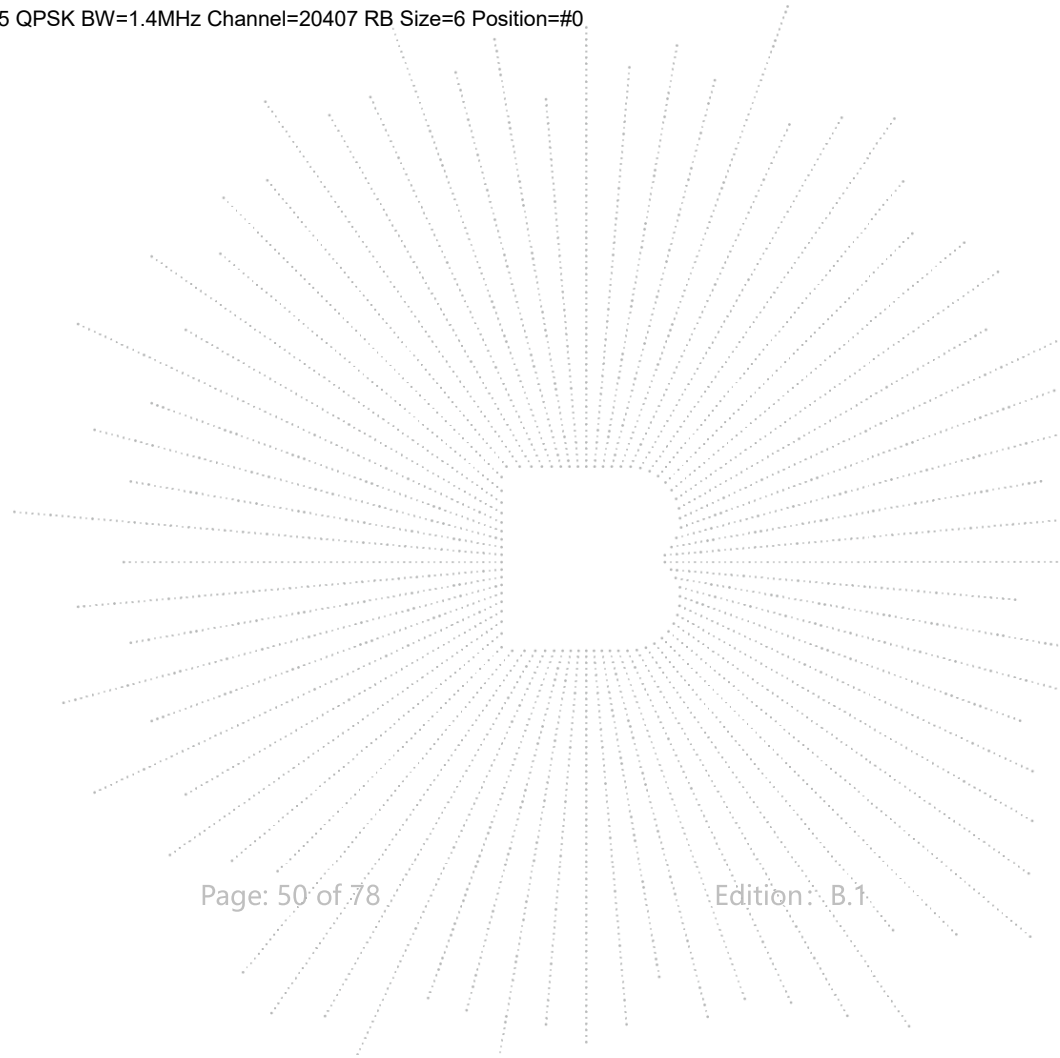
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

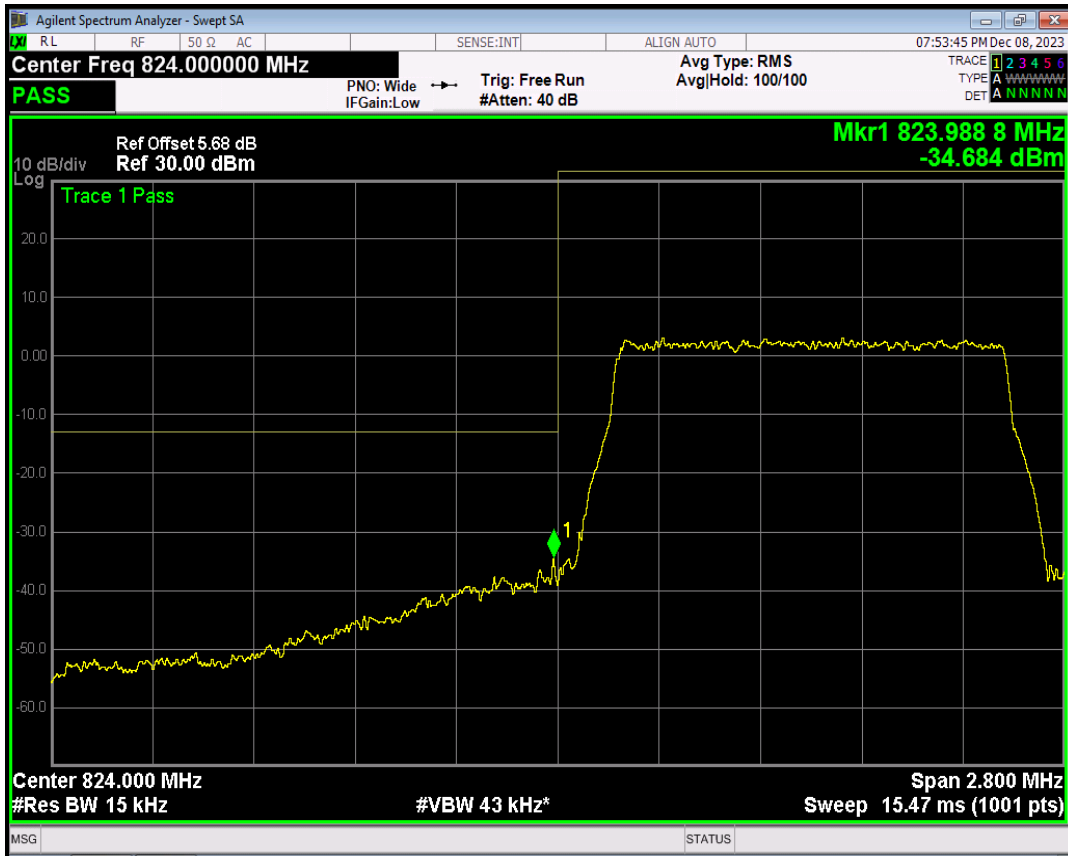


Appendix 5. Band edge

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	823.99	-34.68	-13	PASS
Band5	1.4	20407	6	#0	16QAM	823.97	-36.46	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-33.95	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-37.00	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-27.25	-13	PASS
Band5	3	20415	15	#0	16QAM	824.00	-27.82	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-26.72	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-27.97	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-30.53	-13	PASS
Band5	5	20425	25	#0	16QAM	823.99	-30.69	-13	PASS
Band5	5	20625	25	#0	QPSK	849.02	-30.41	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-33.00	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-33.29	-13	PASS
Band5	10	20450	50	#0	16QAM	823.84	-36.85	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-35.93	-13	PASS
Band5	10	20600	50	#0	16QAM	849.04	-33.35	-13	PASS

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

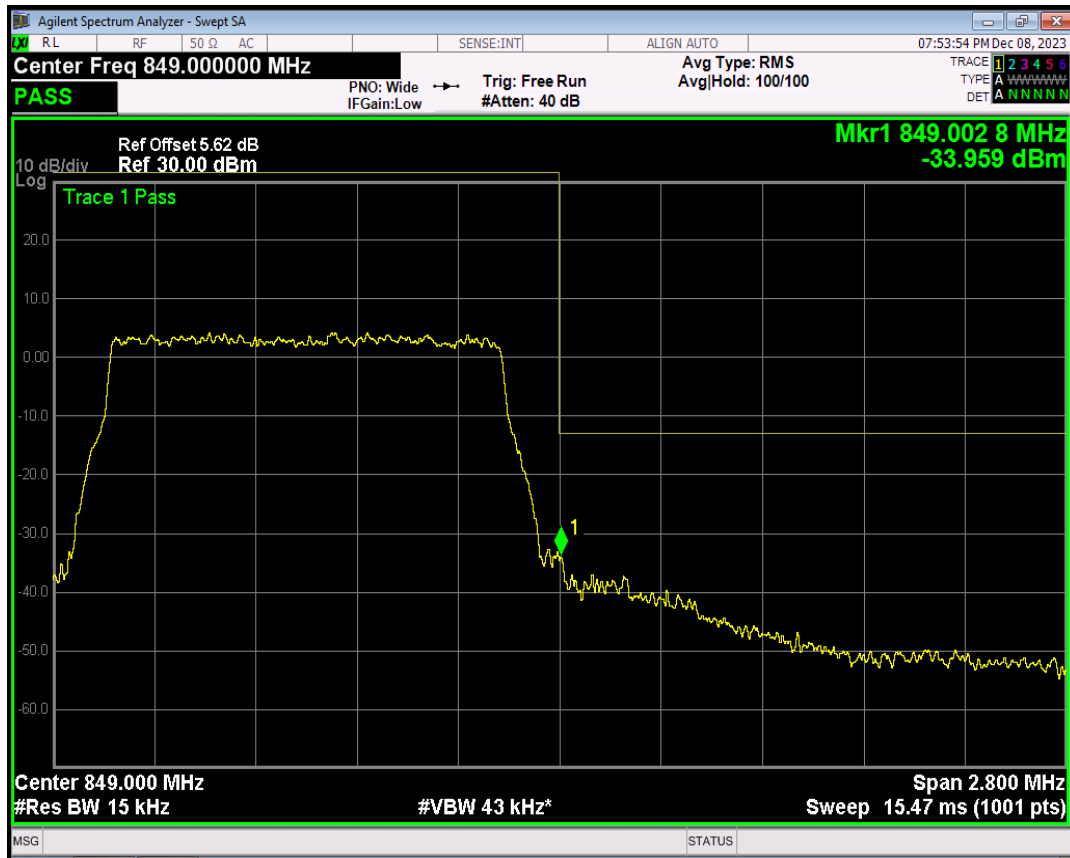




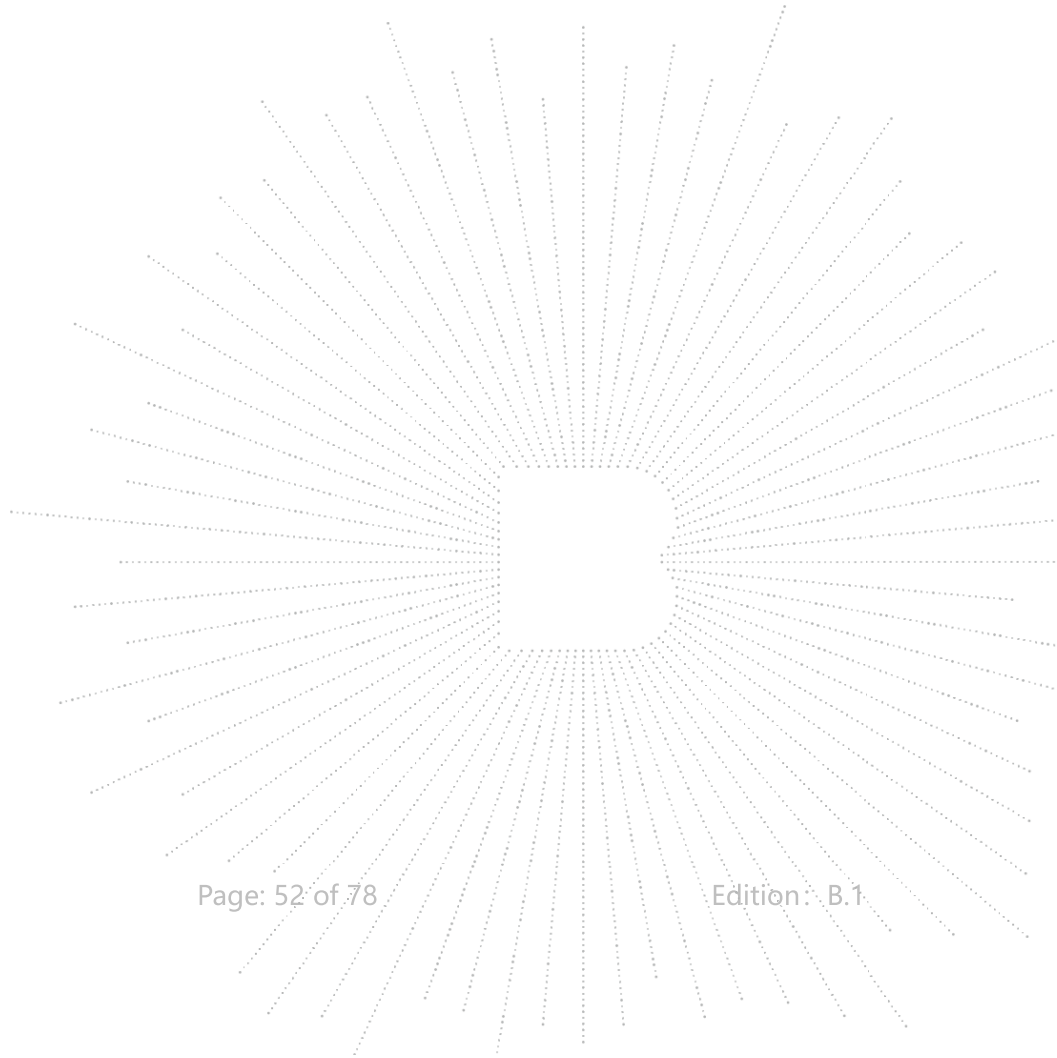
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



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

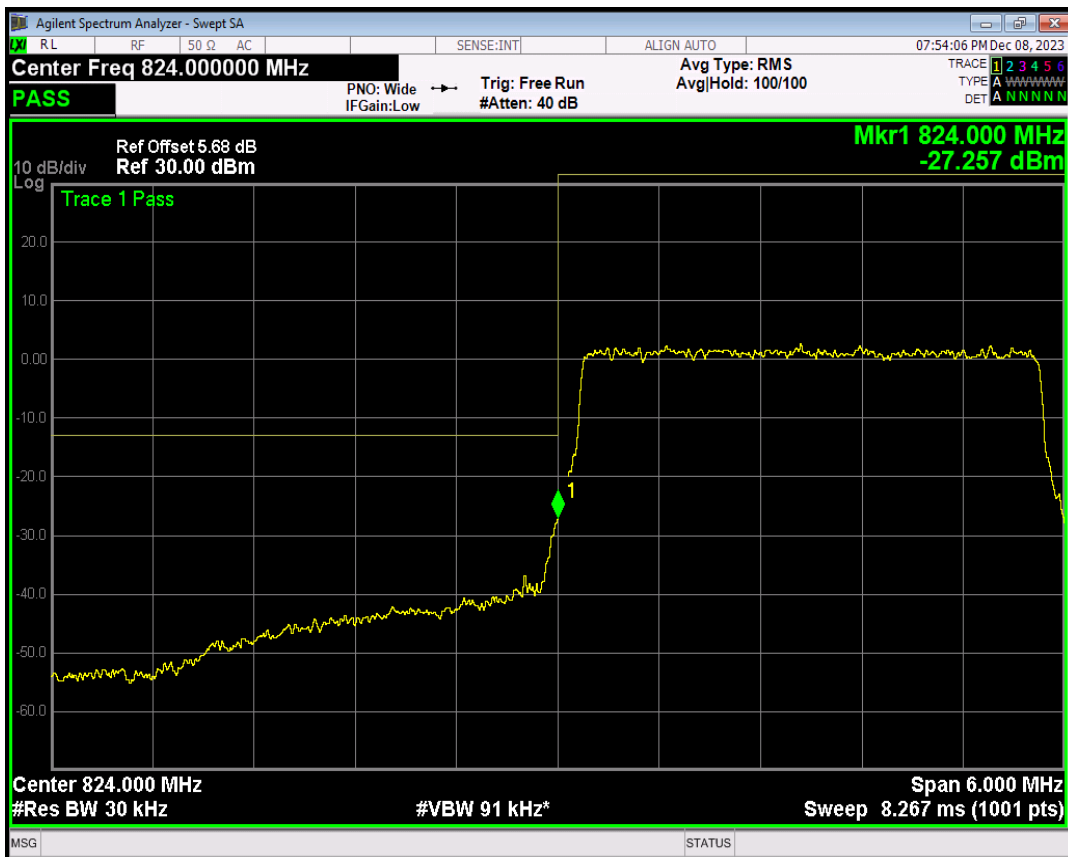


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

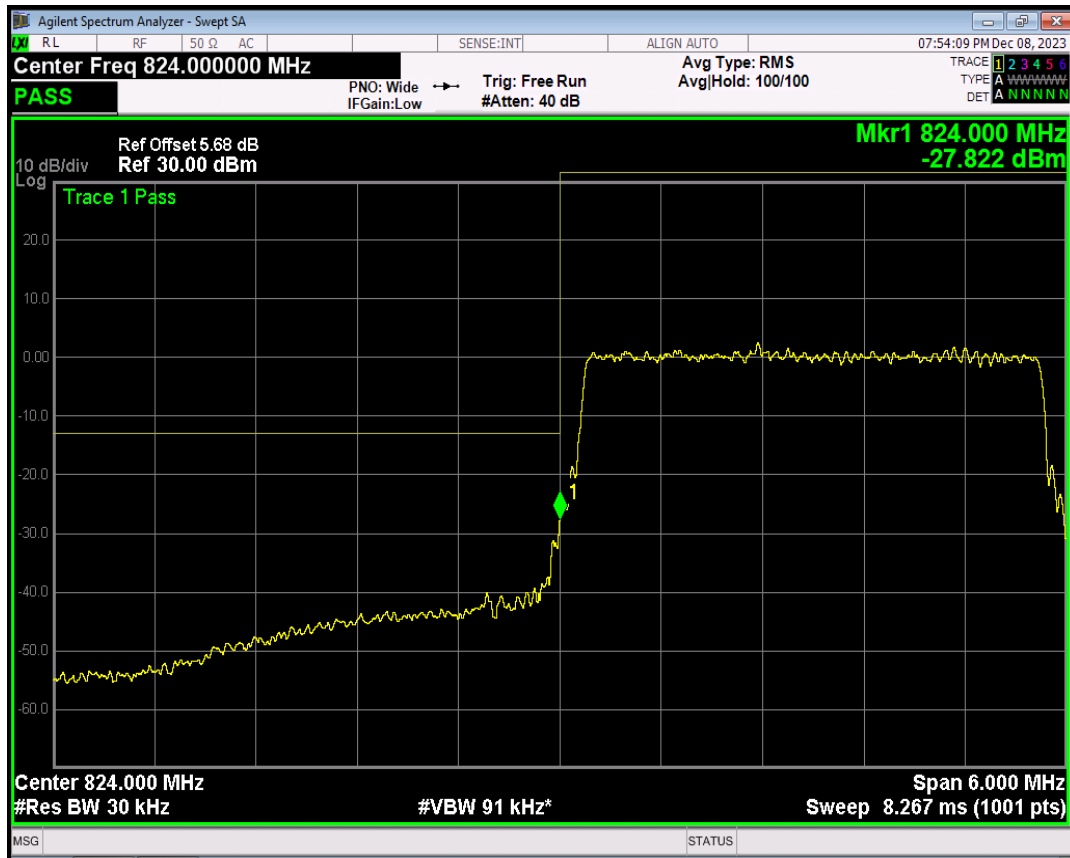




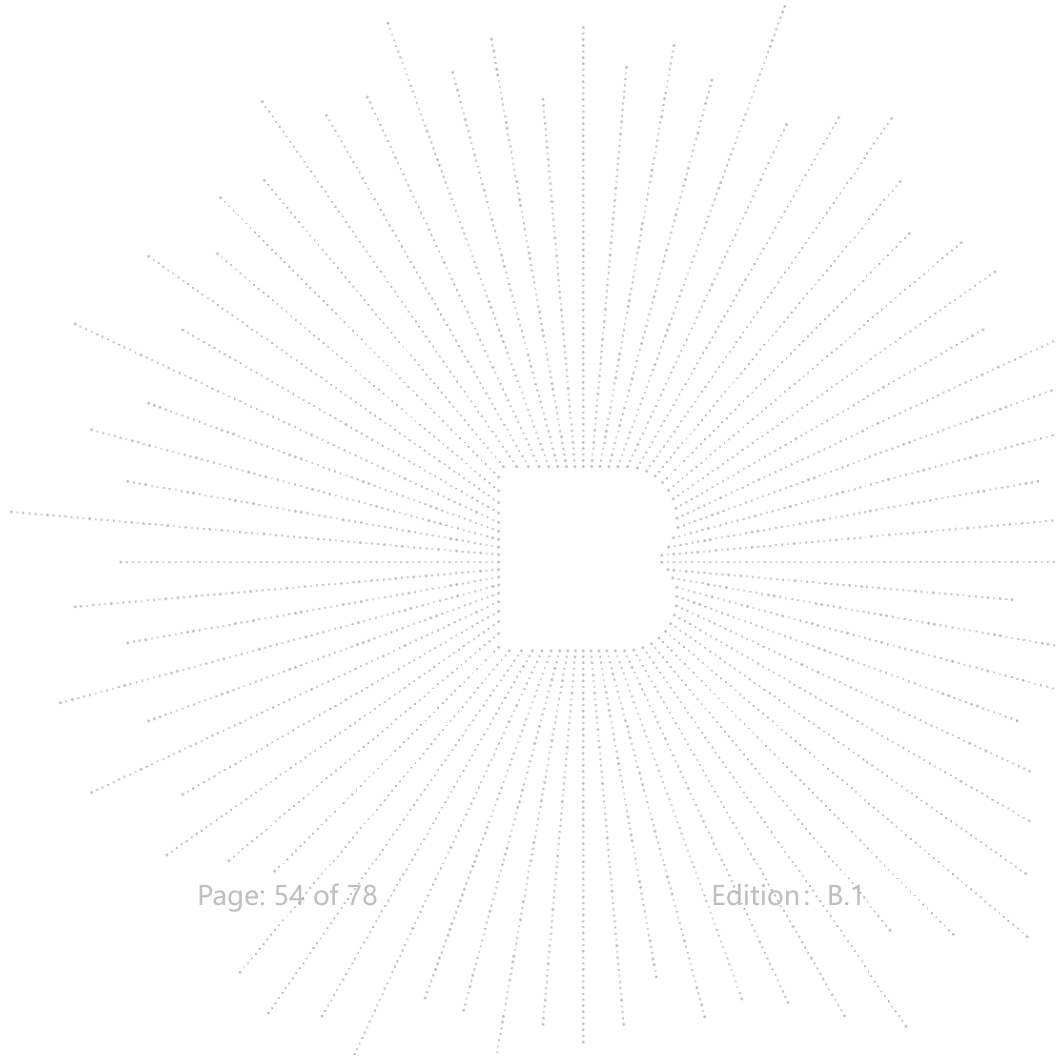
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



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

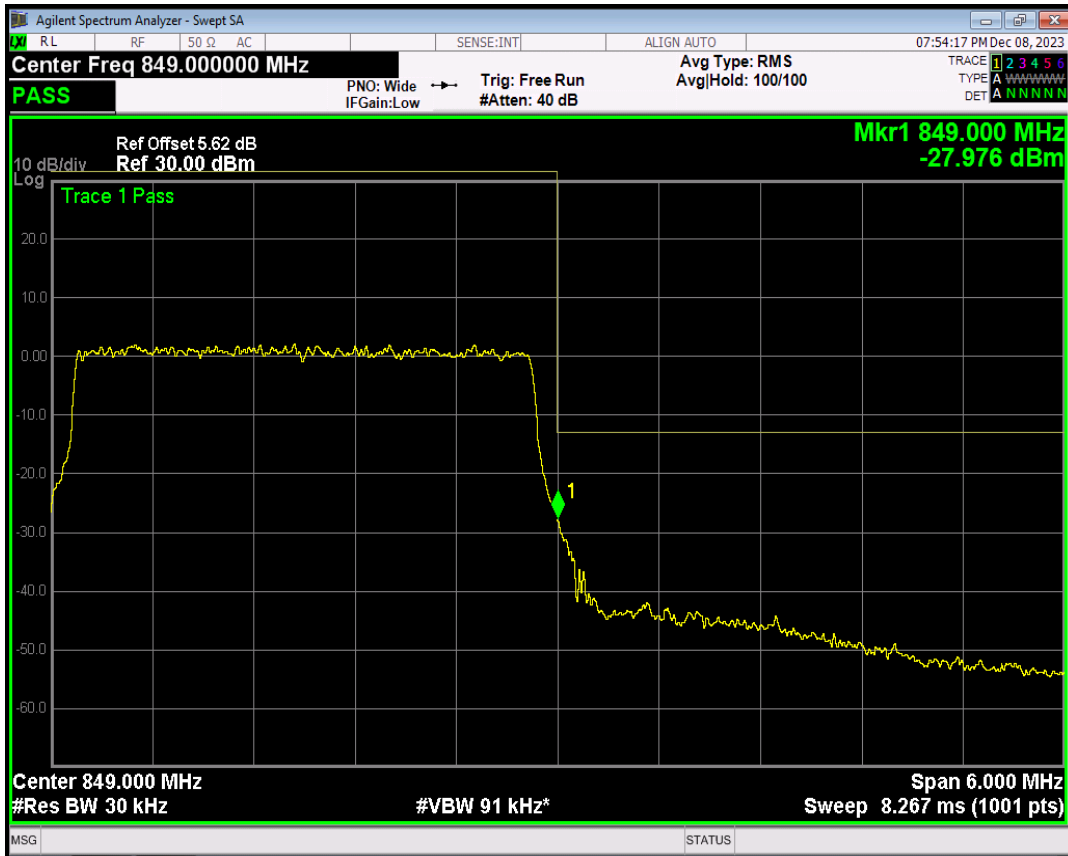


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

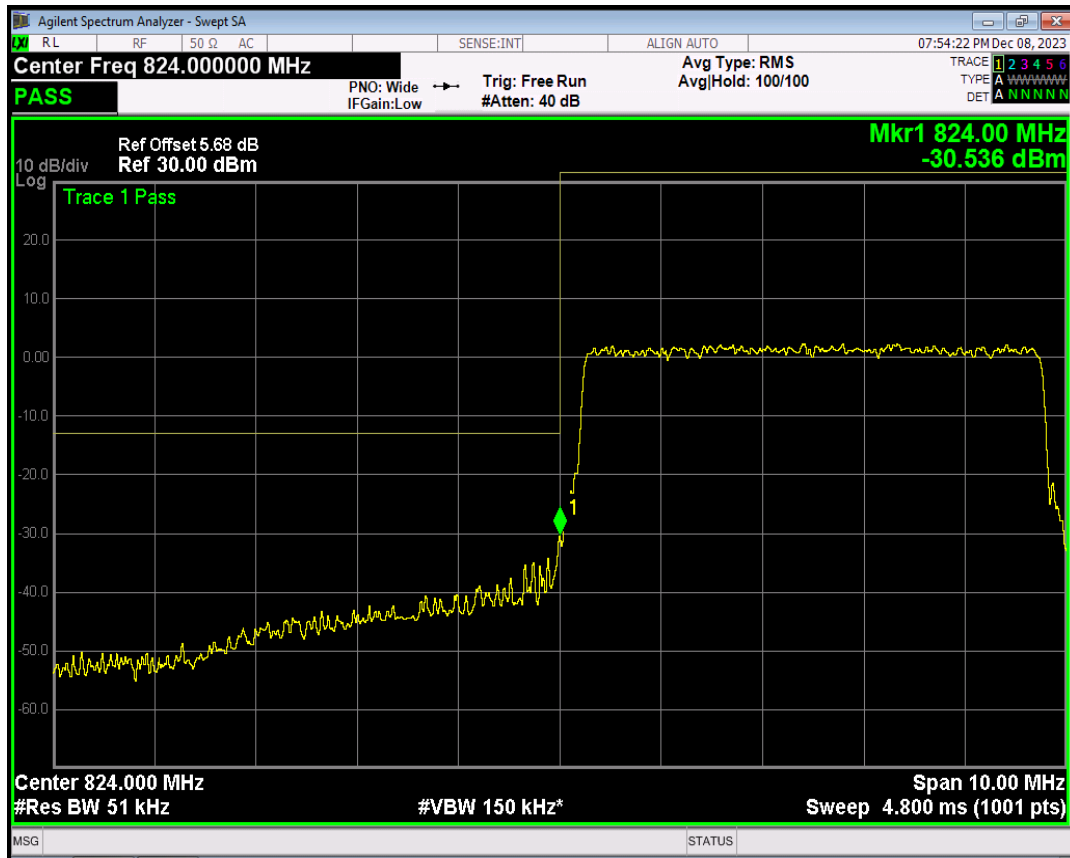




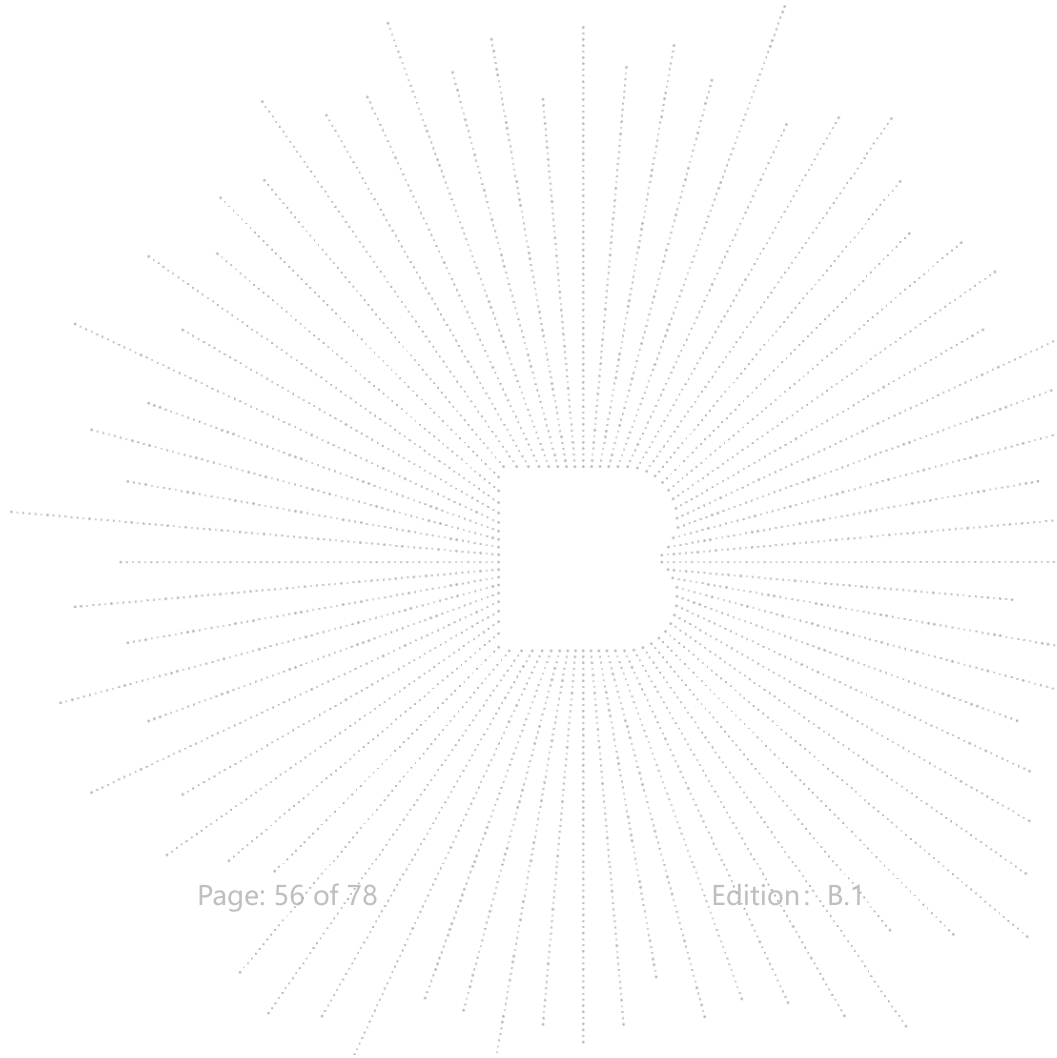
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

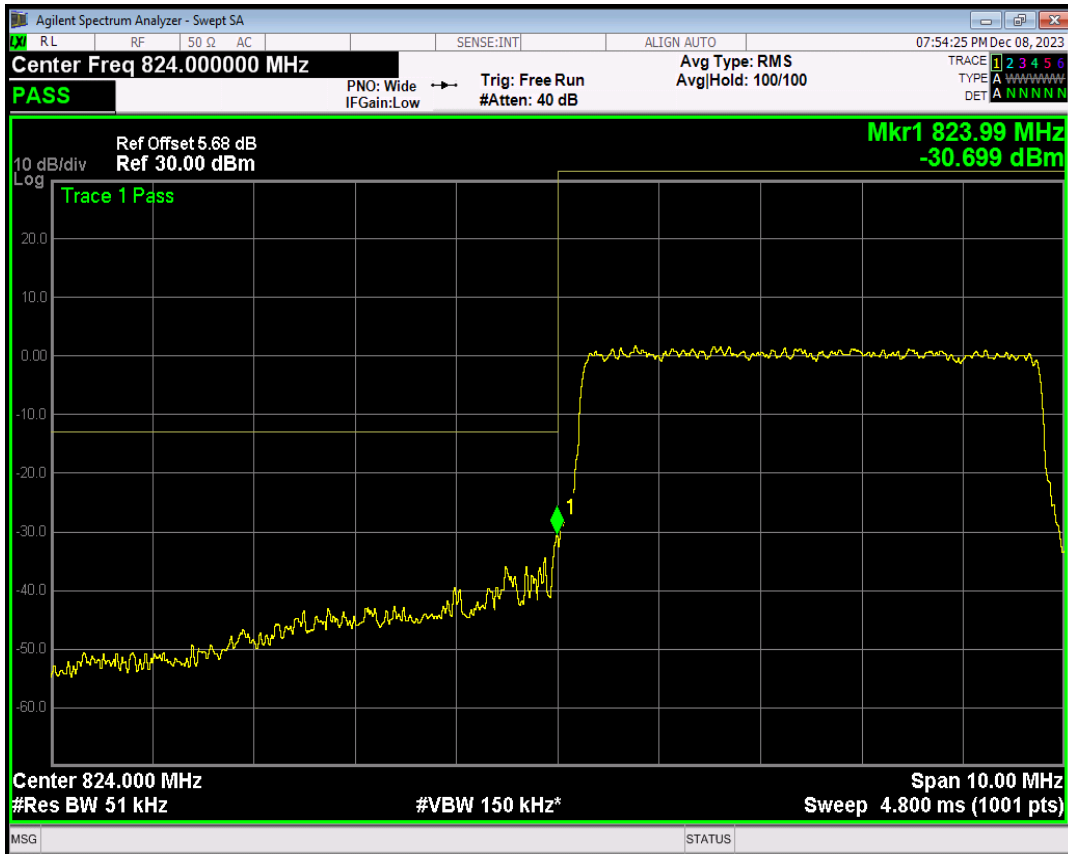


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

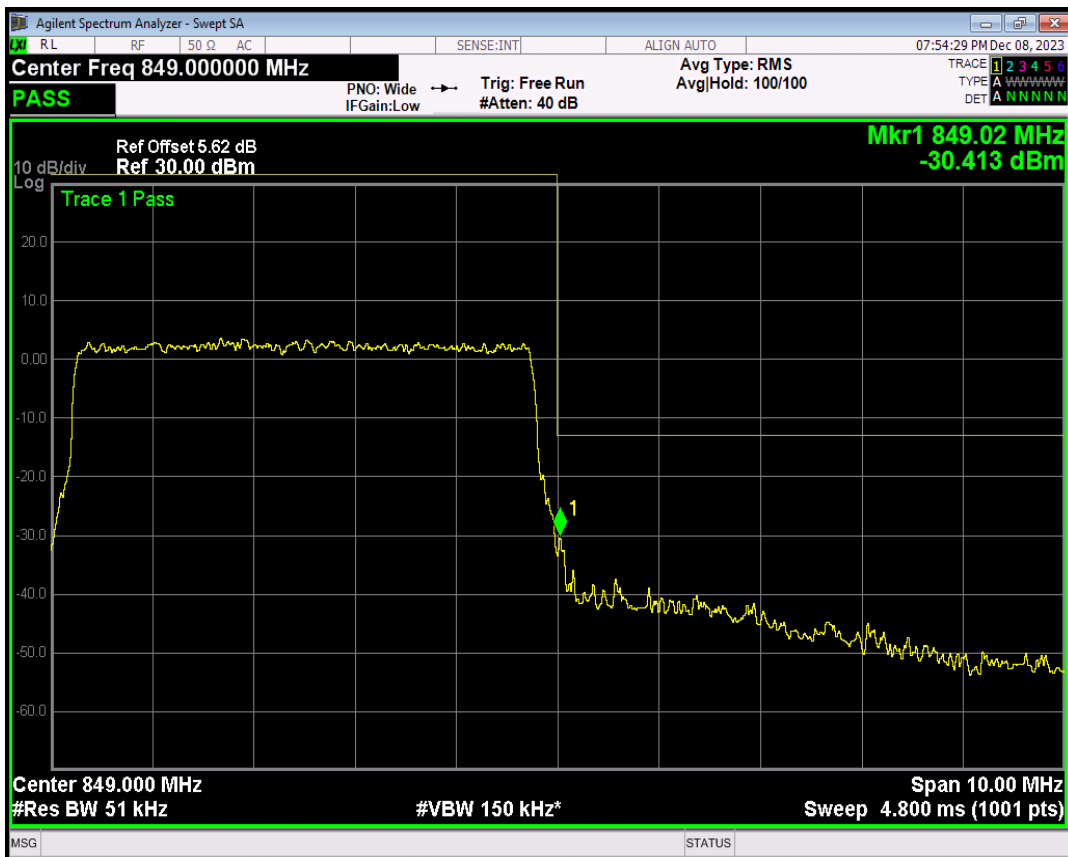


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



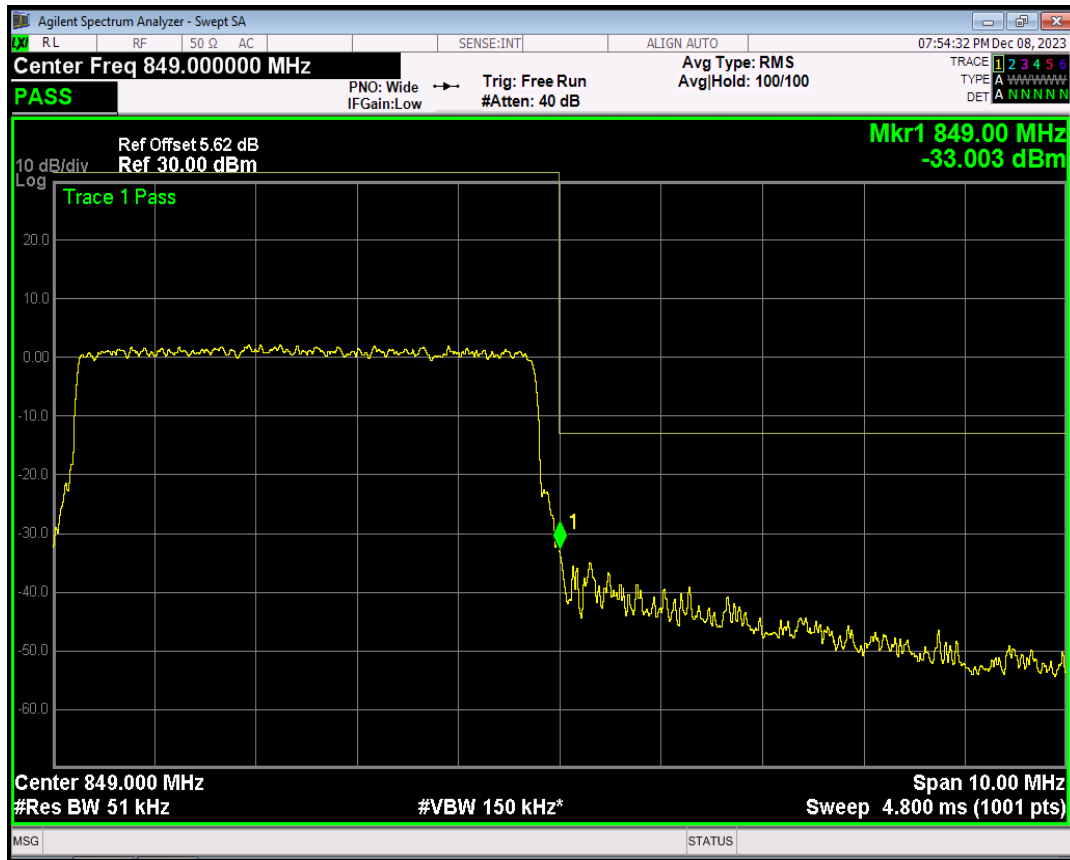


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

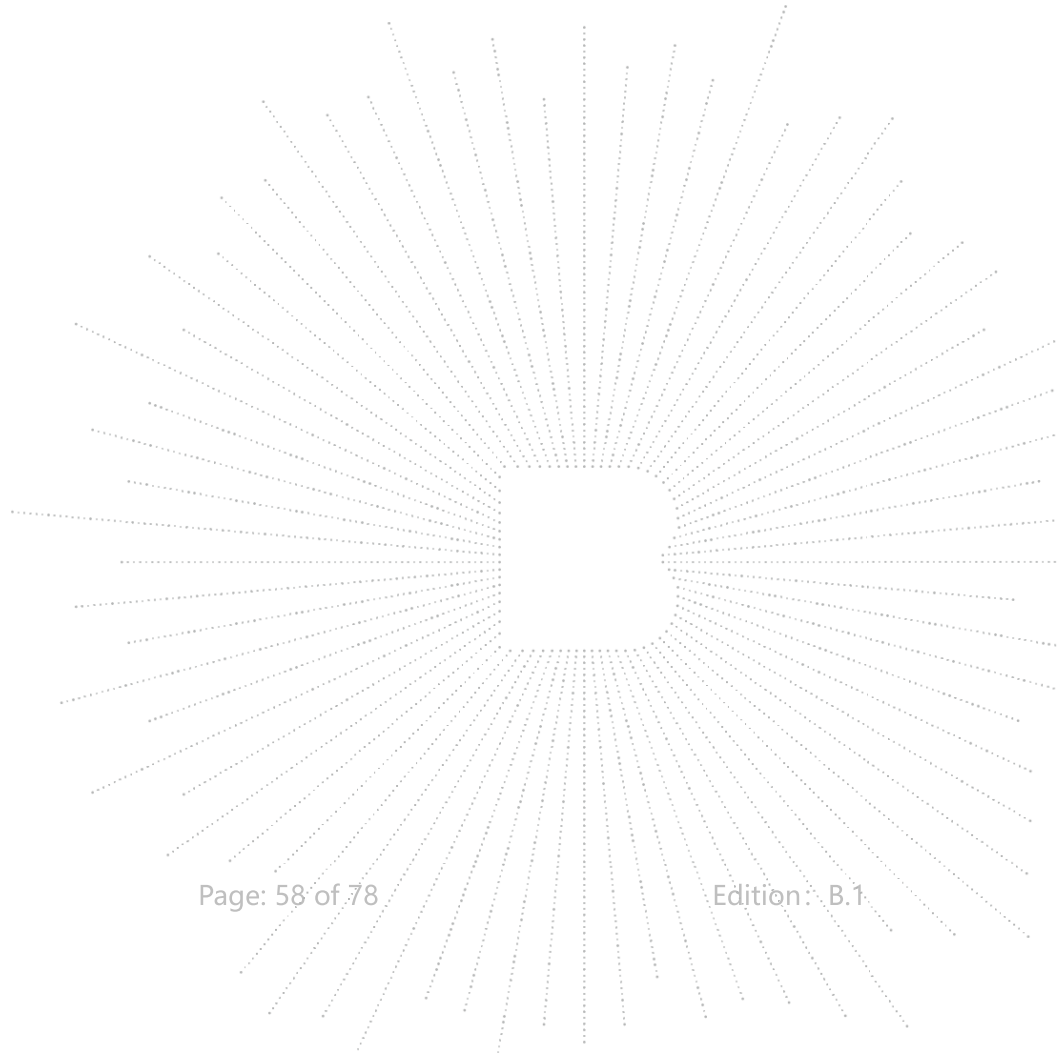


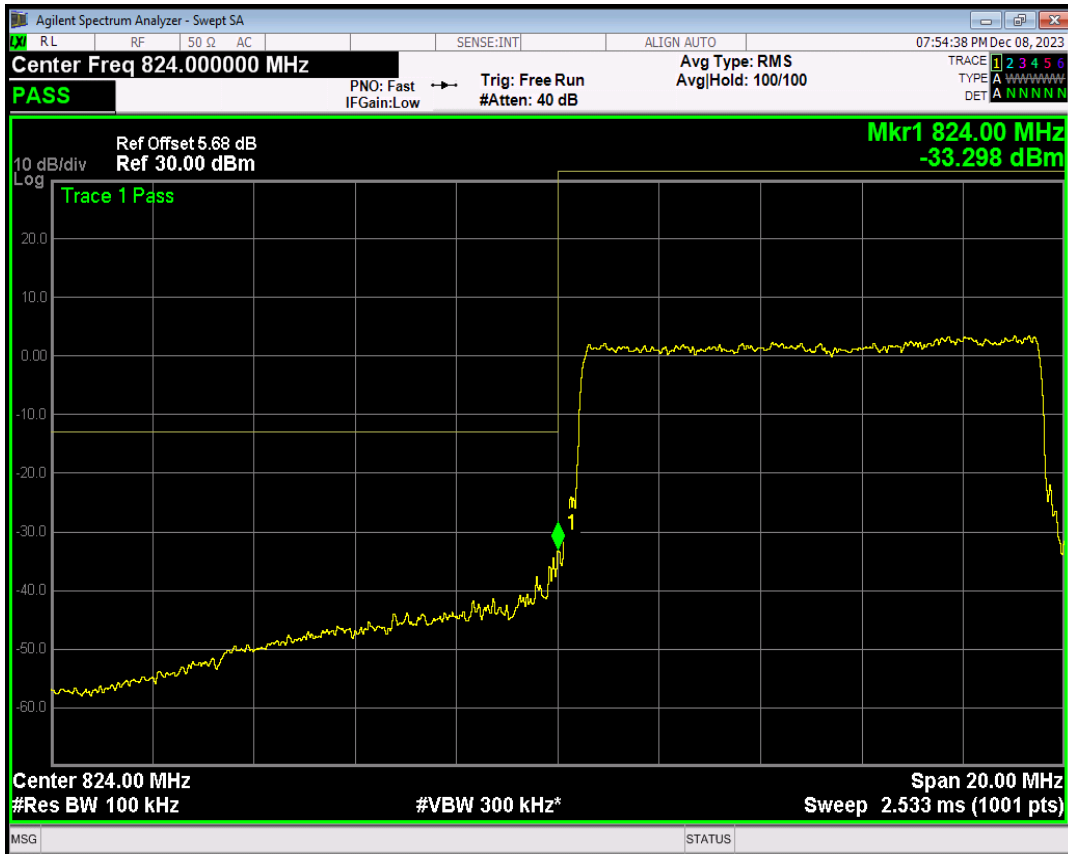


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

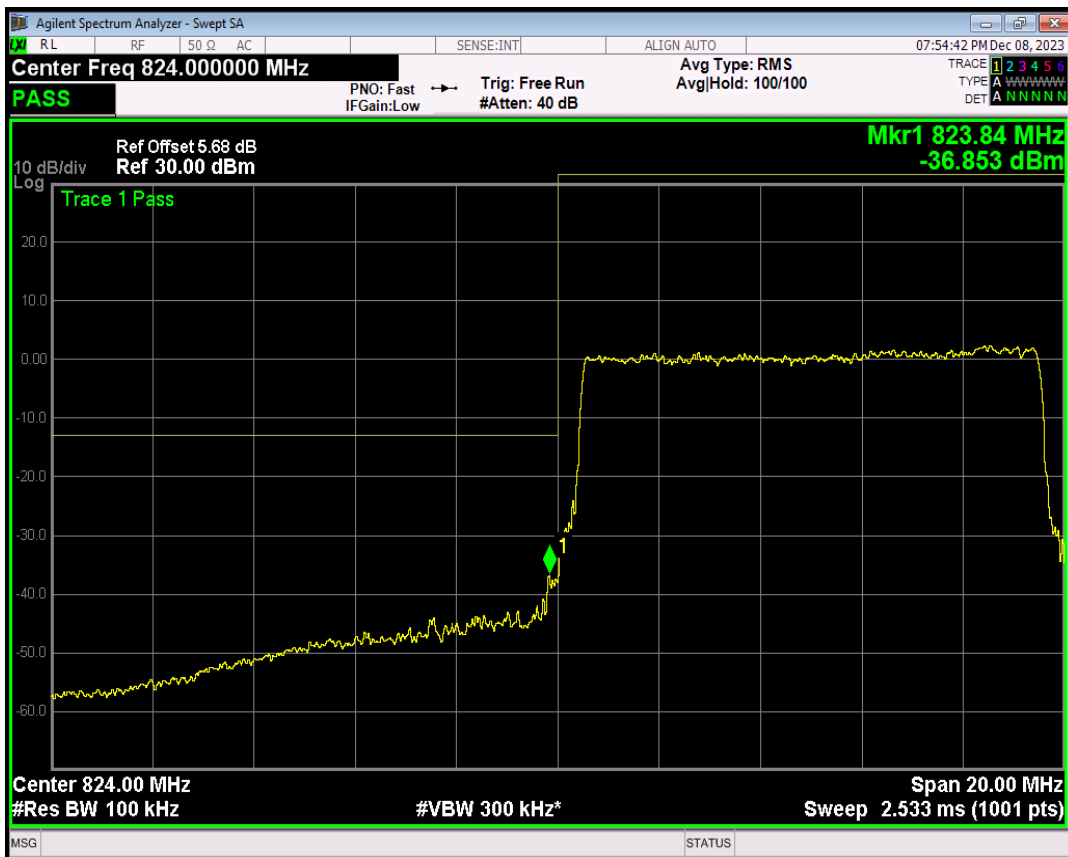


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0





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

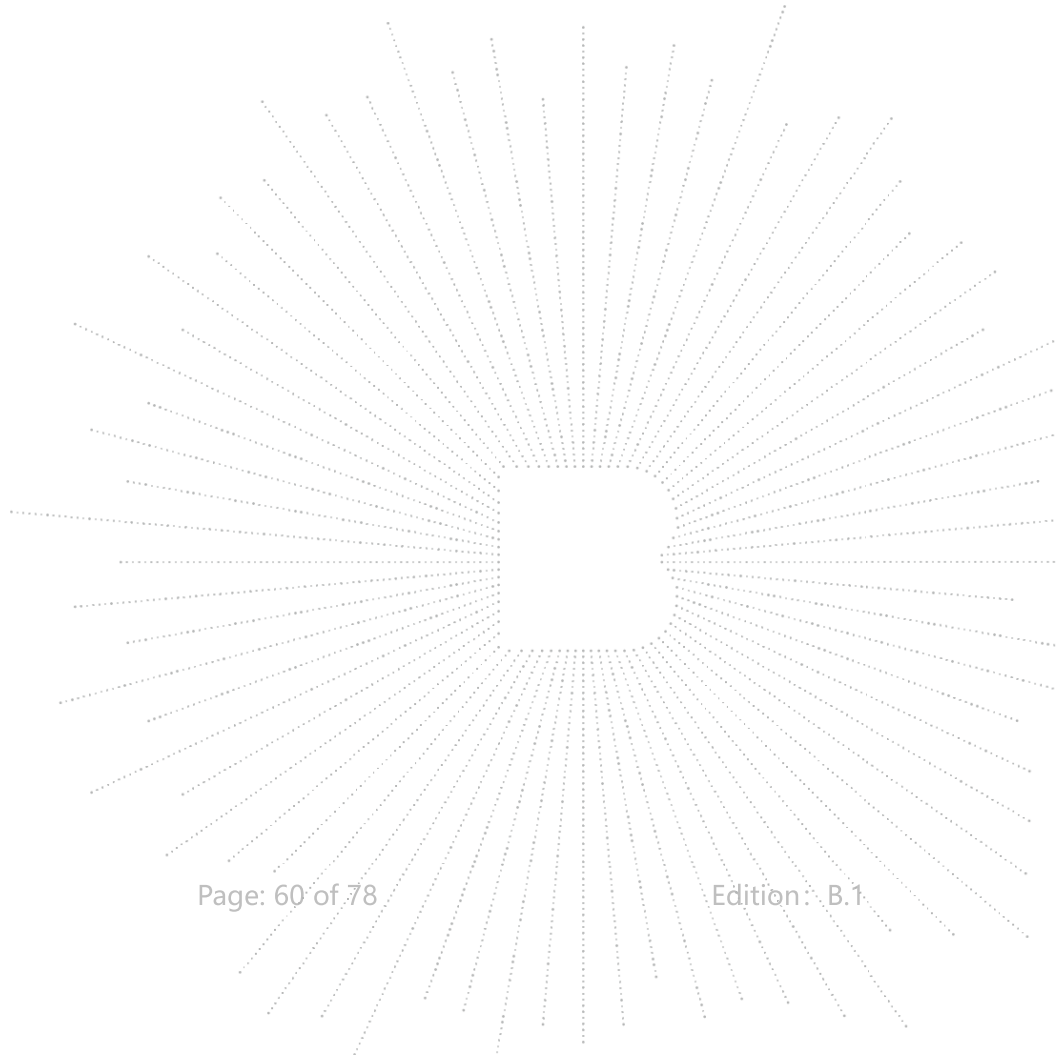




Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



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

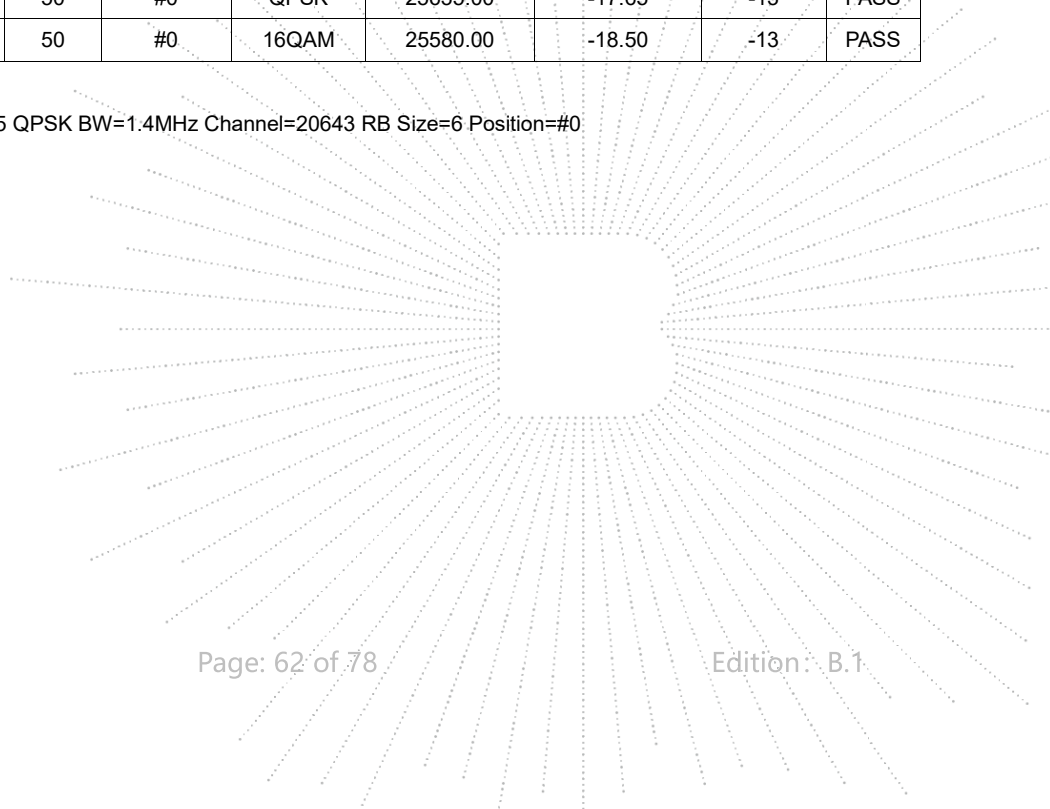


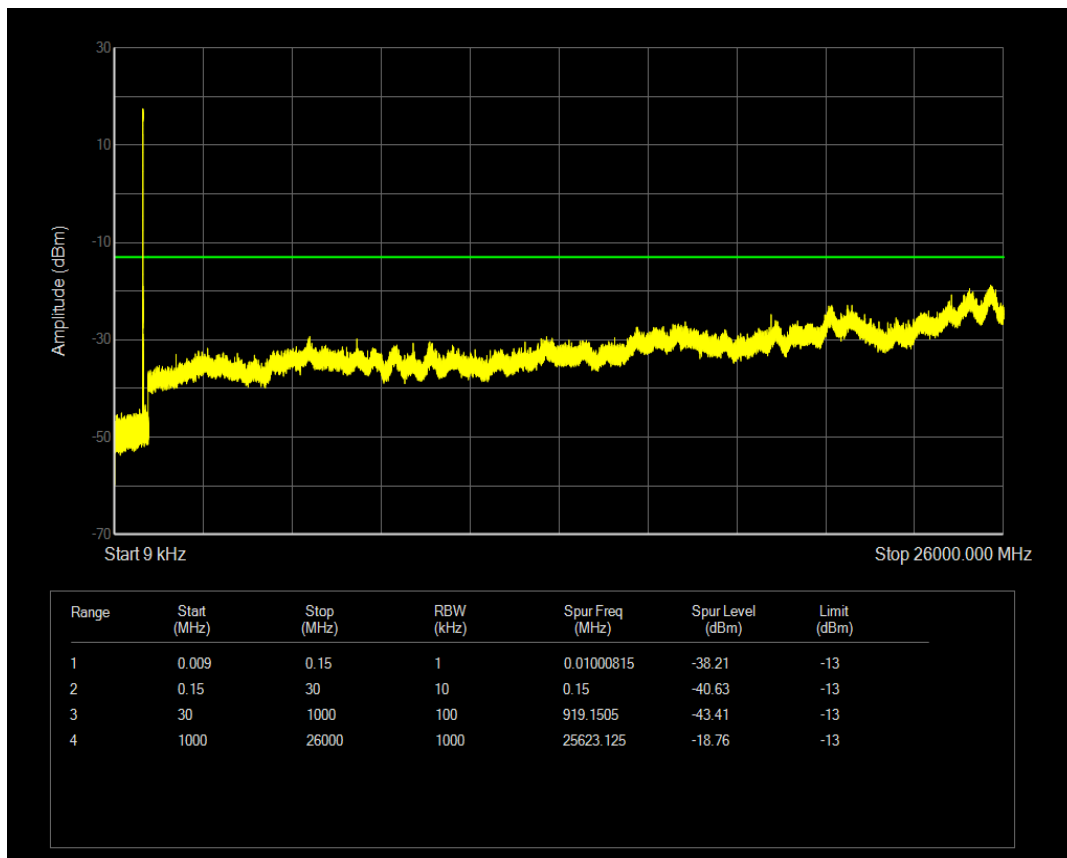


Appendix 6. Out-of-band emissions

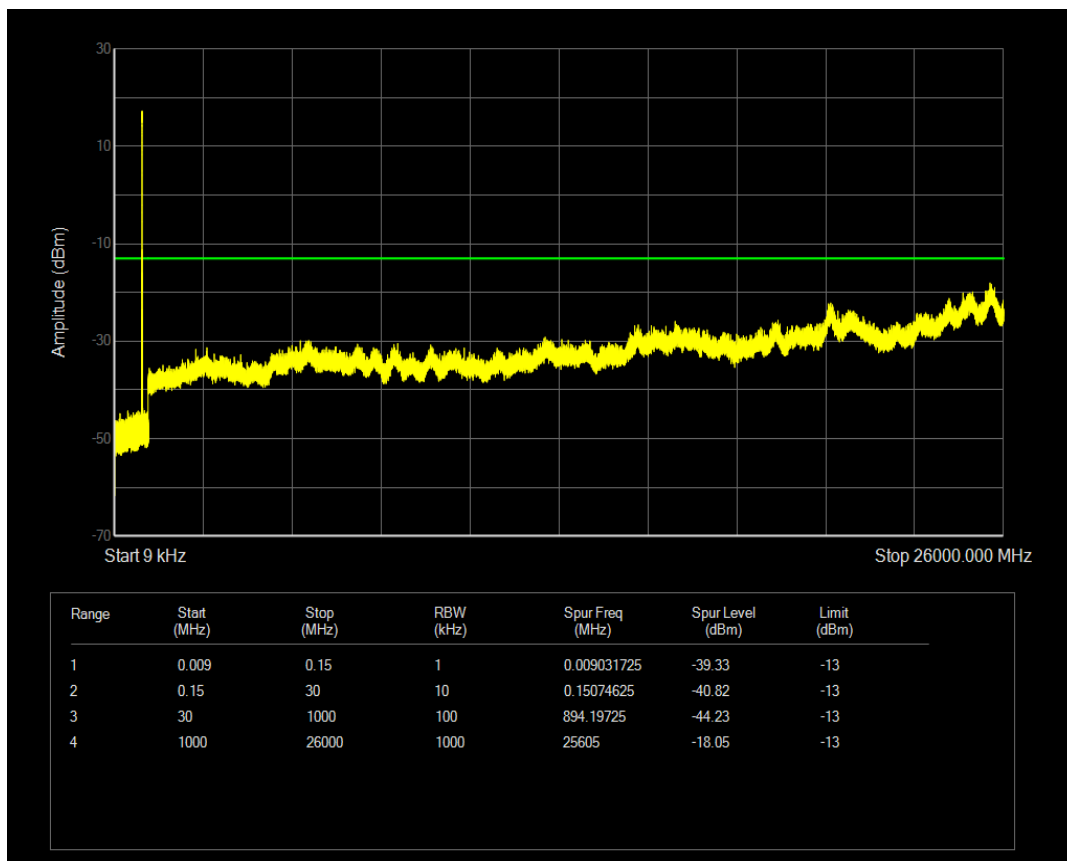
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	25605.00	-18.05	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25641.88	-18.39	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25692.50	-18.55	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25646.25	-17.98	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25623.13	-18.76	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25751.25	-17.82	-13	PASS
Band5	3	20415	15	#0	QPSK	25703.13	-18.01	-13	PASS
Band5	3	20415	15	#0	16QAM	25710.63	-18.59	-13	PASS
Band5	3	20525	15	#0	QPSK	25588.75	-18.46	-13	PASS
Band5	3	20525	15	#0	16QAM	25625.00	-18.98	-13	PASS
Band5	3	20635	15	#0	QPSK	25631.25	-18.00	-13	PASS
Band5	3	20635	15	#0	16QAM	25609.38	-18.36	-13	PASS
Band5	5	20425	25	#0	QPSK	25626.25	-18.57	-13	PASS
Band5	5	20425	25	#0	16QAM	25648.13	-18.54	-13	PASS
Band5	5	20525	25	#0	QPSK	25688.13	-18.63	-13	PASS
Band5	5	20525	25	#0	16QAM	25612.50	-17.76	-13	PASS
Band5	5	20625	25	#0	QPSK	25612.50	-18.76	-13	PASS
Band5	5	20625	25	#0	16QAM	25586.25	-18.06	-13	PASS
Band5	10	20450	50	#0	QPSK	25636.88	-18.79	-13	PASS
Band5	10	20450	50	#0	16QAM	25634.38	-18.46	-13	PASS
Band5	10	20525	50	#0	QPSK	25640.00	-18.97	-13	PASS
Band5	10	20525	50	#0	16QAM	25016.25	-18.47	-13	PASS
Band5	10	20600	50	#0	QPSK	25635.00	-17.65	-13	PASS
Band5	10	20600	50	#0	16QAM	25580.00	-18.50	-13	PASS

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



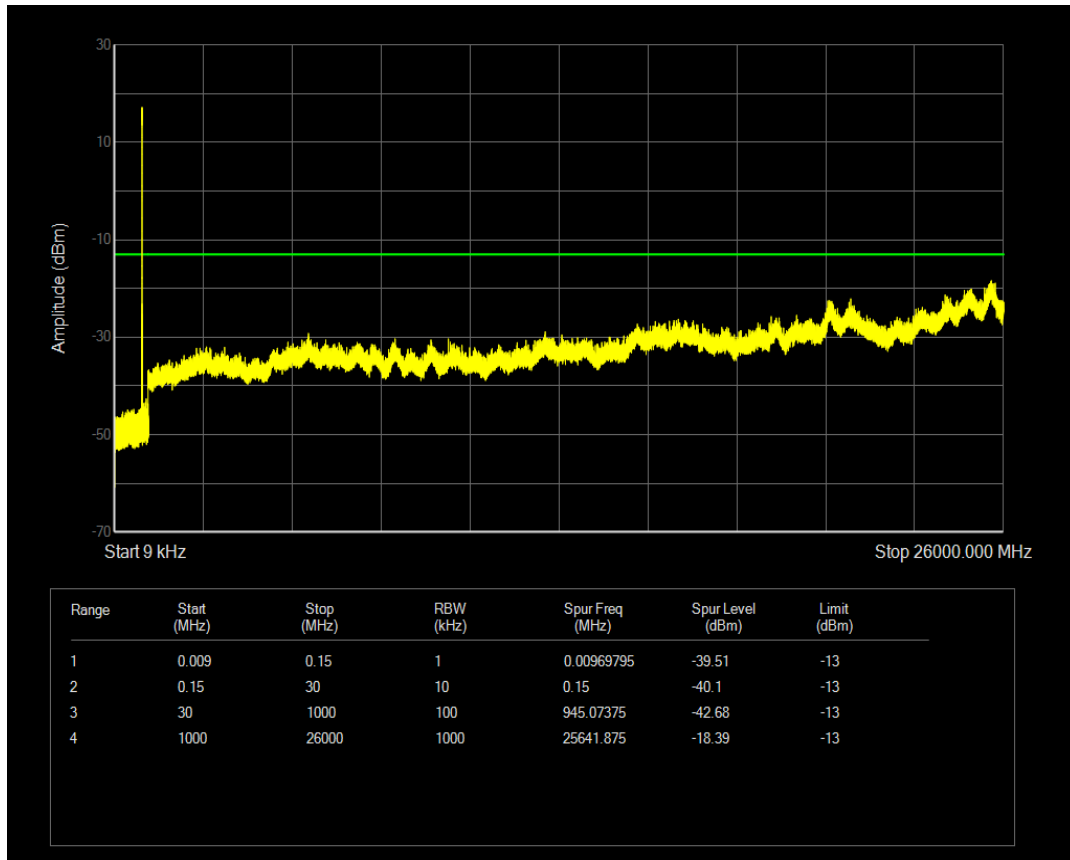


Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

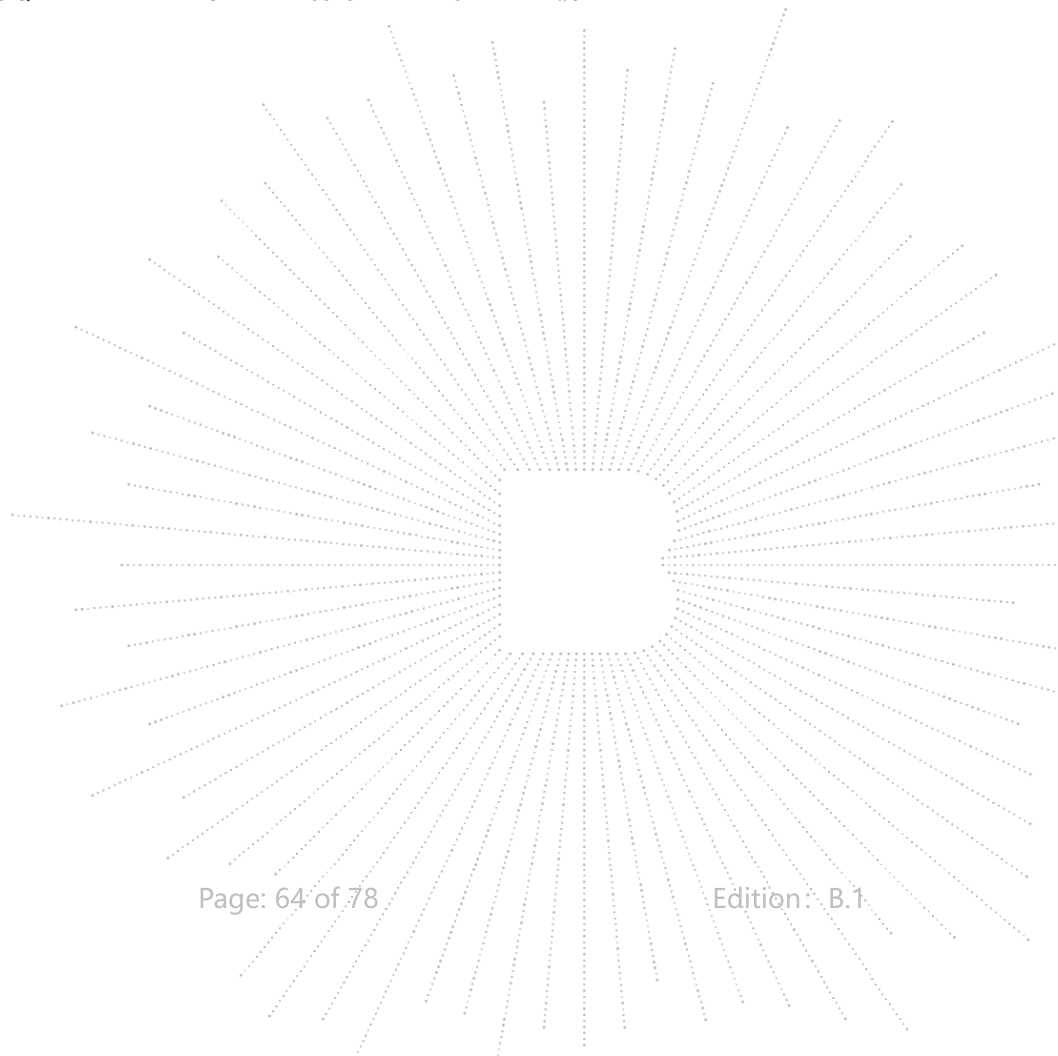


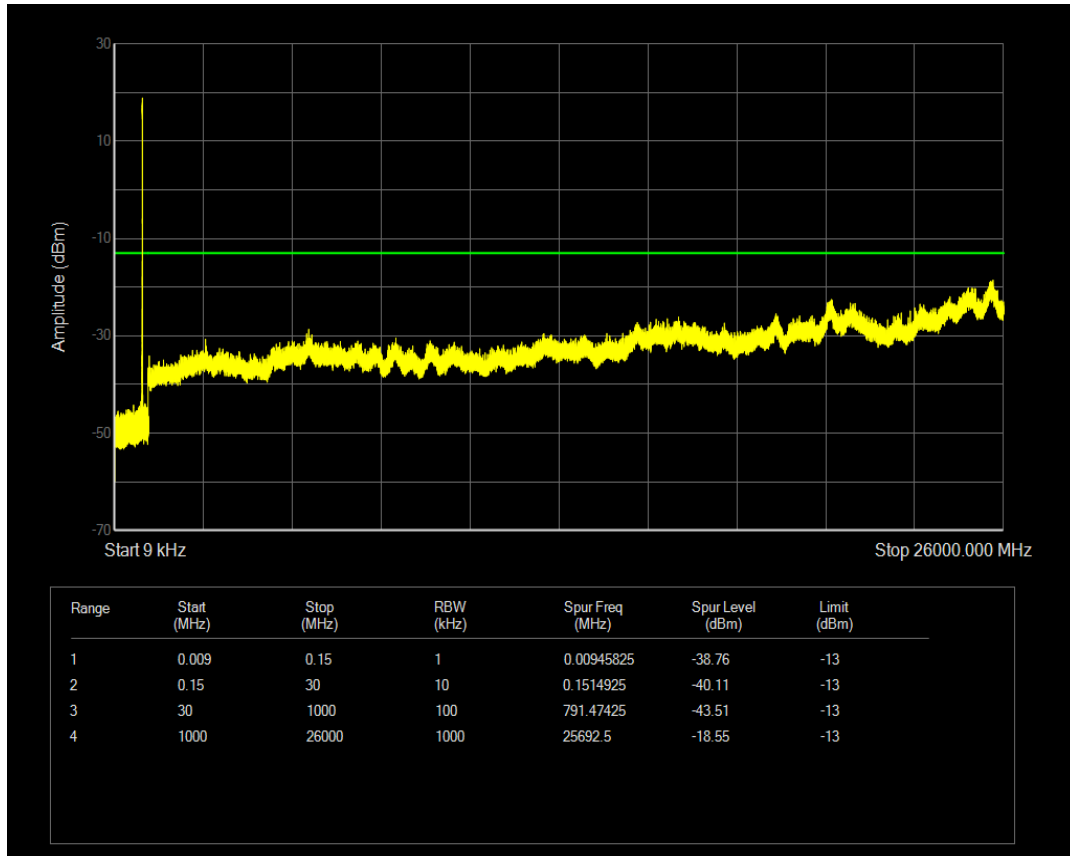


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

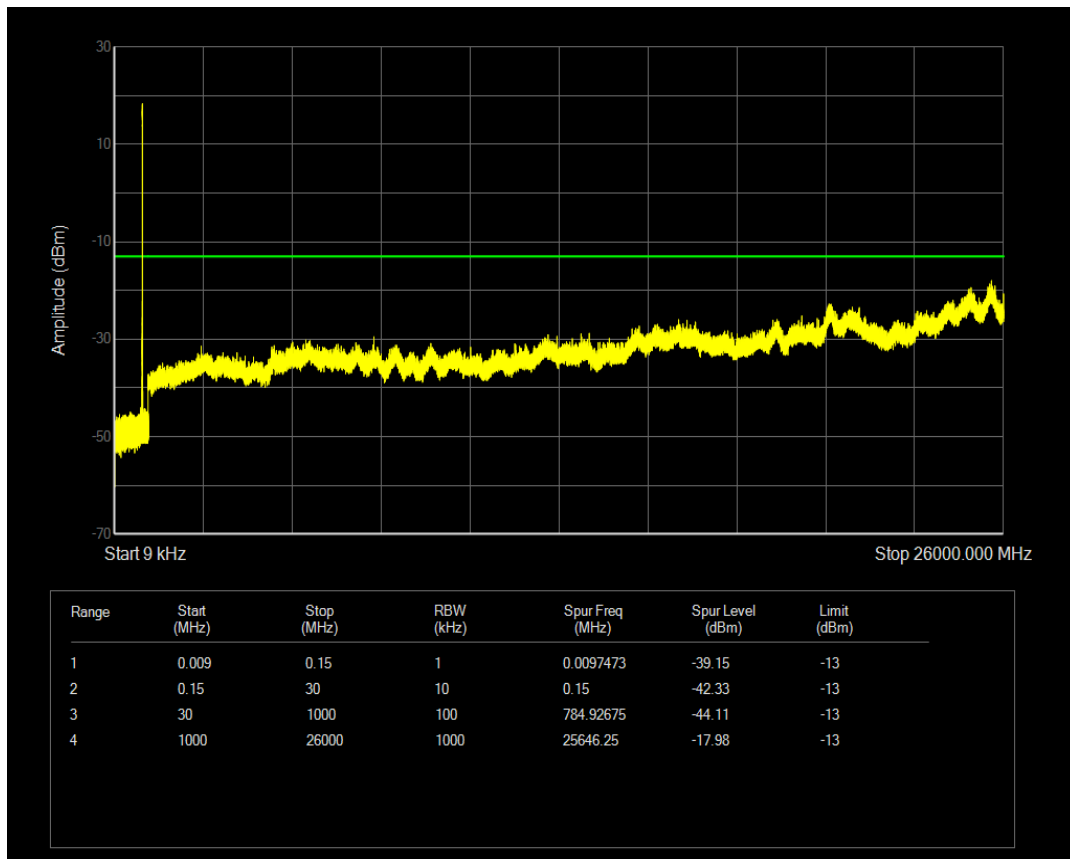


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



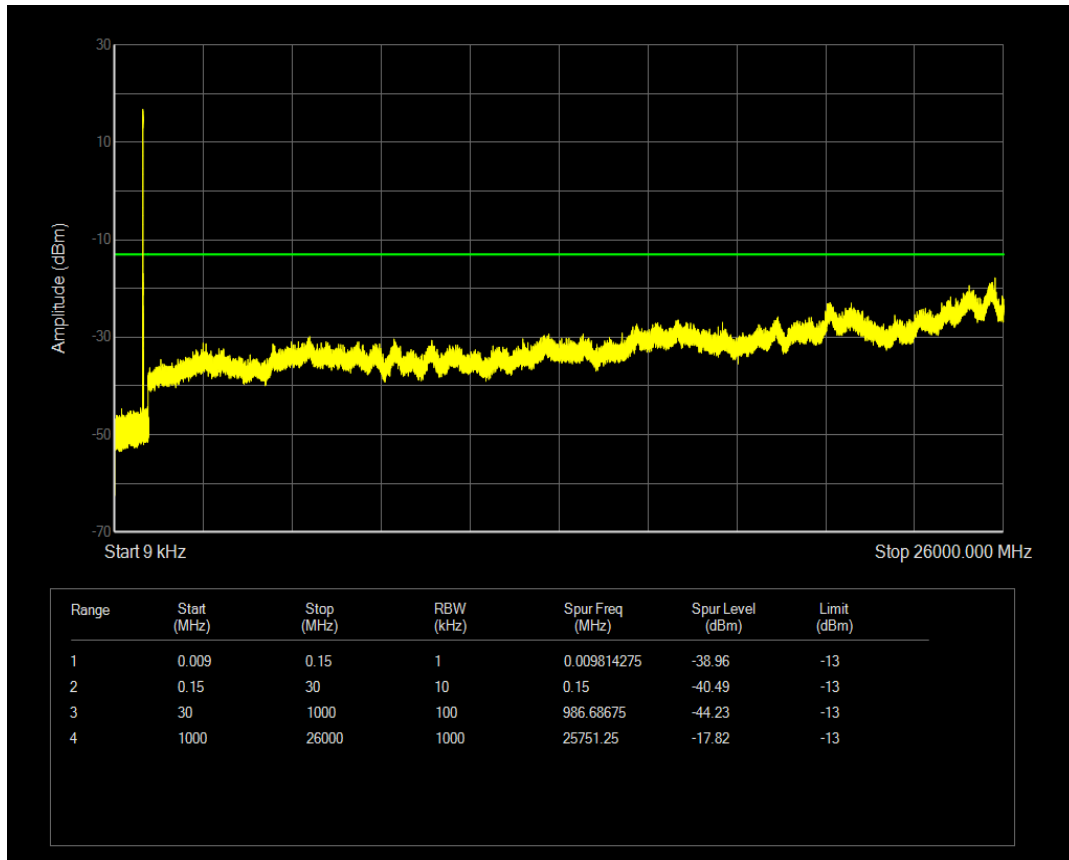


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

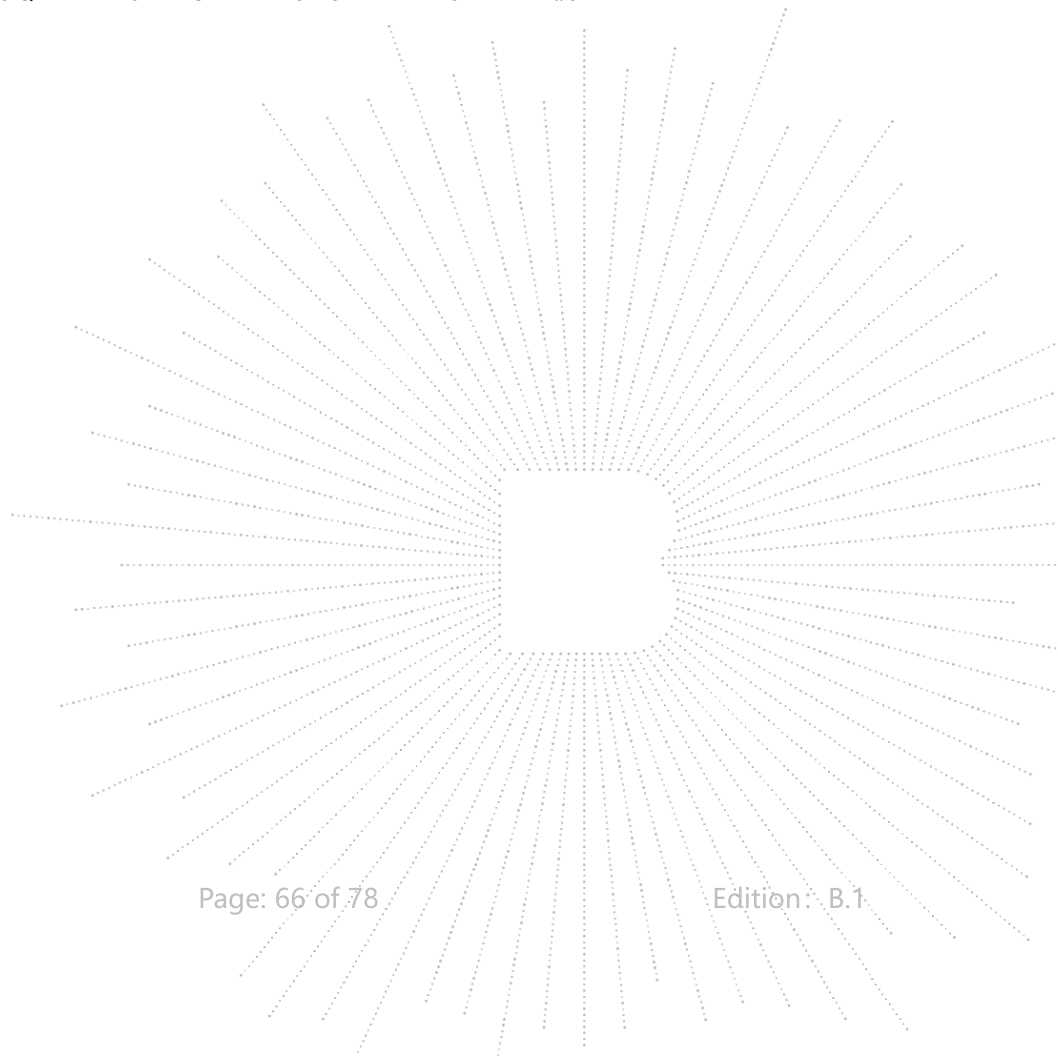


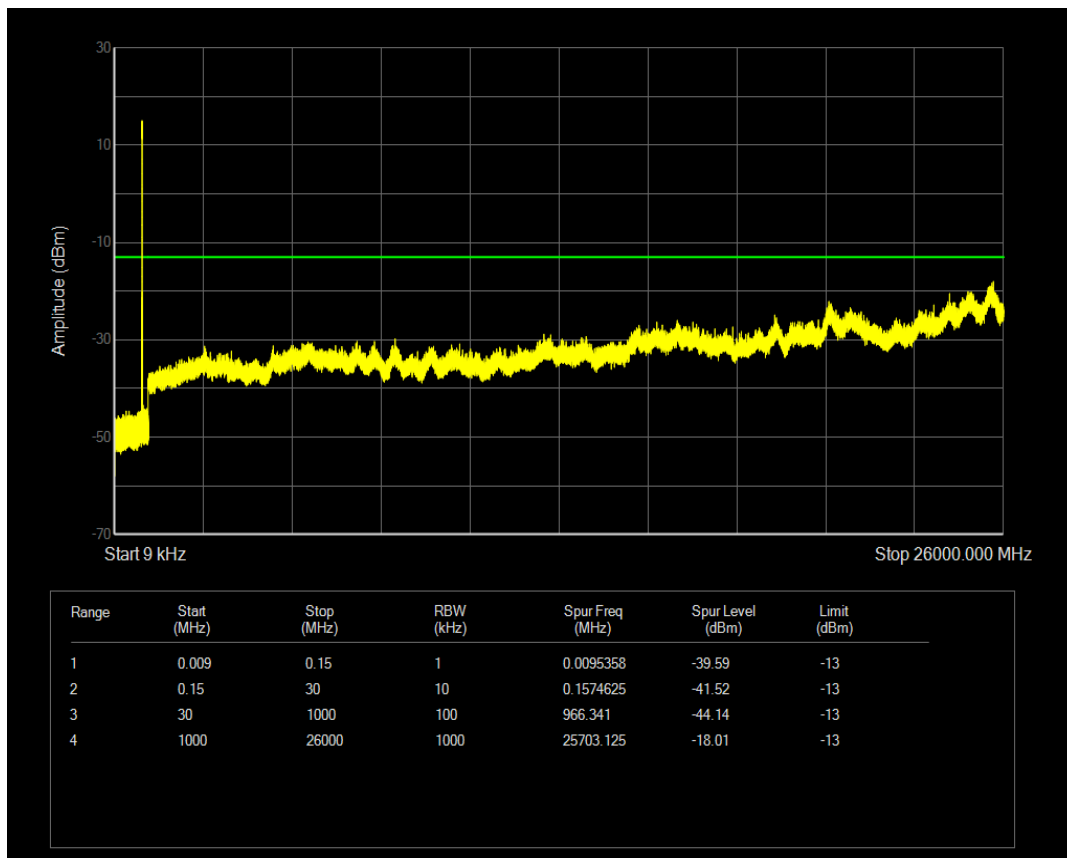


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

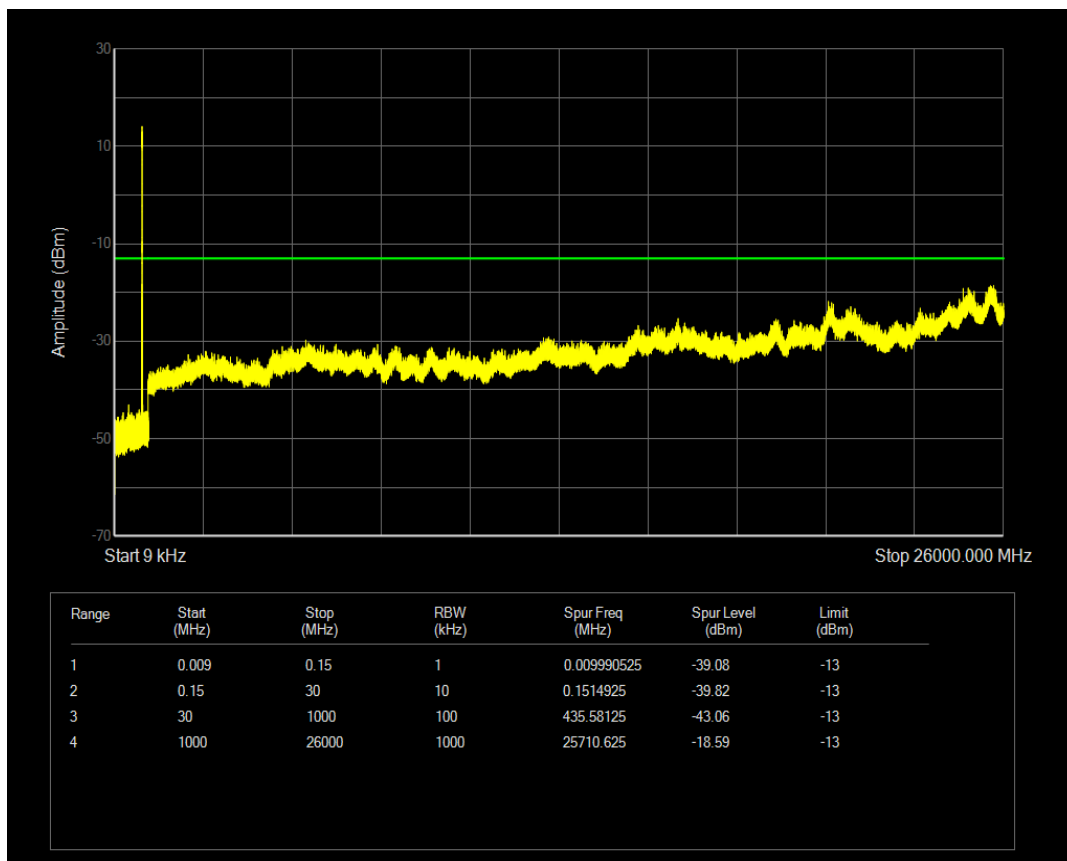


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

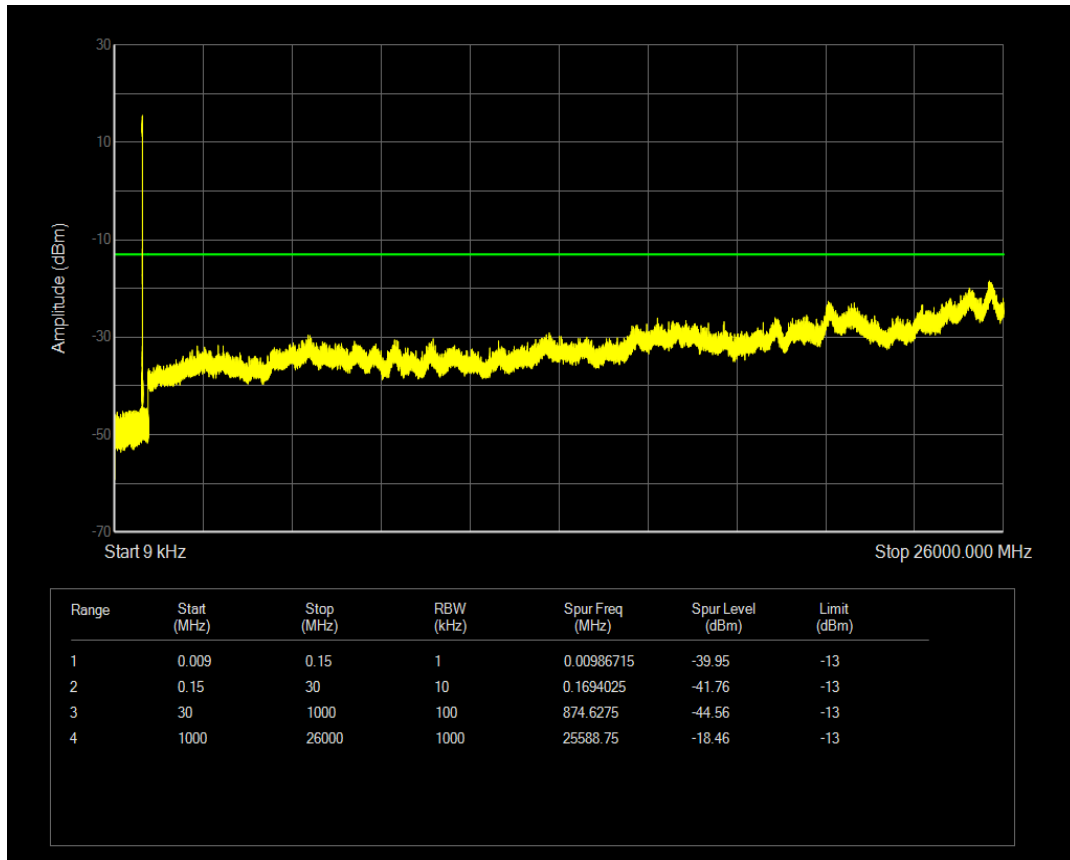




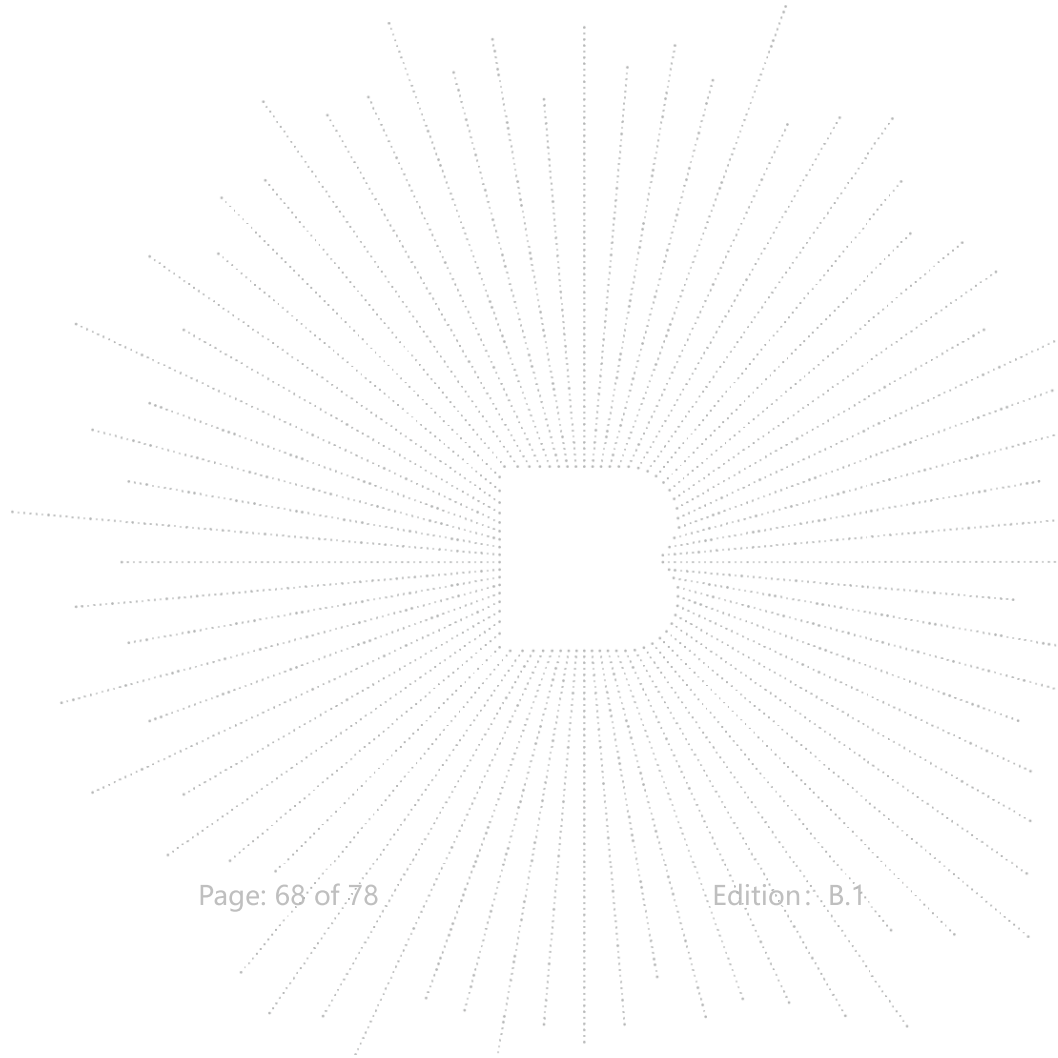
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

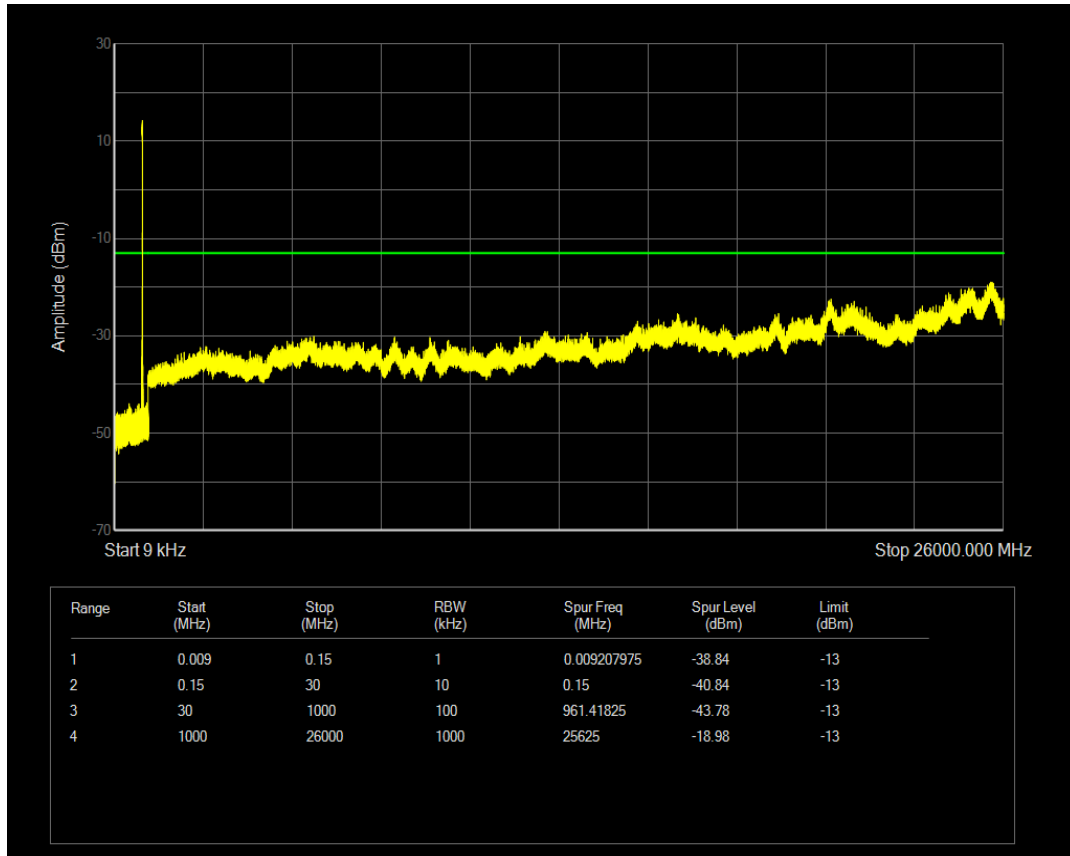


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

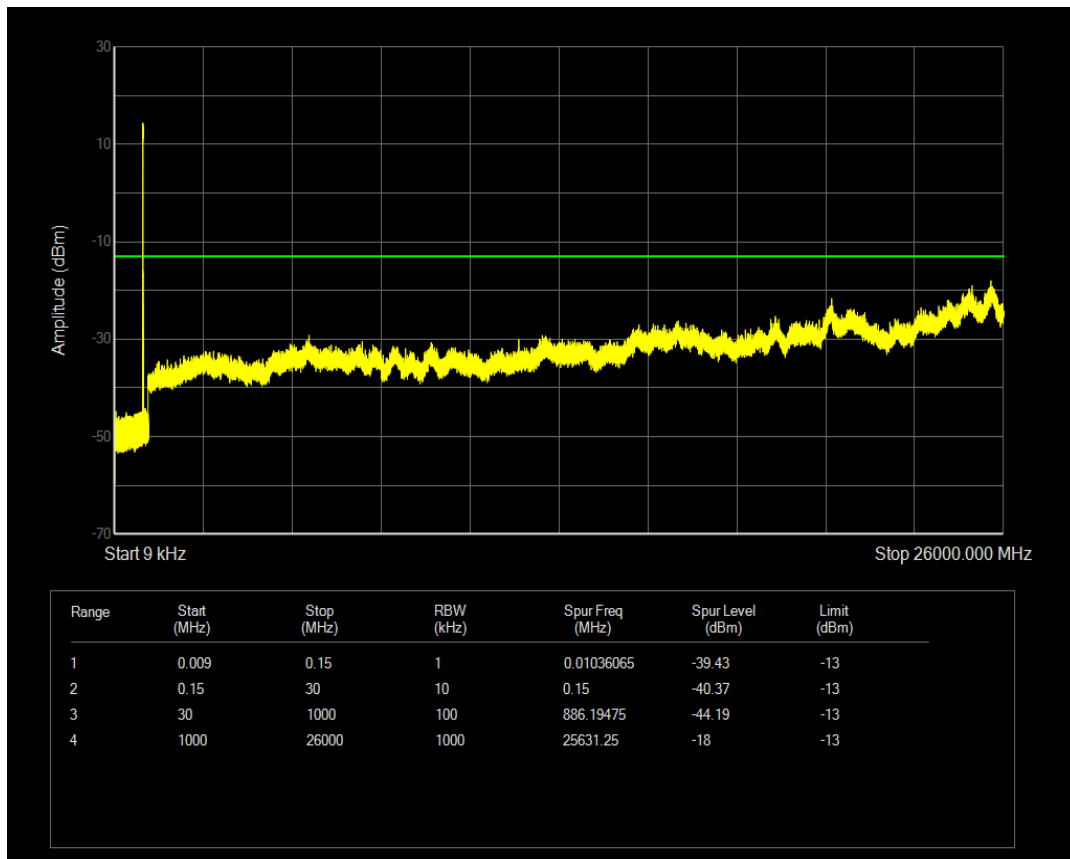


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

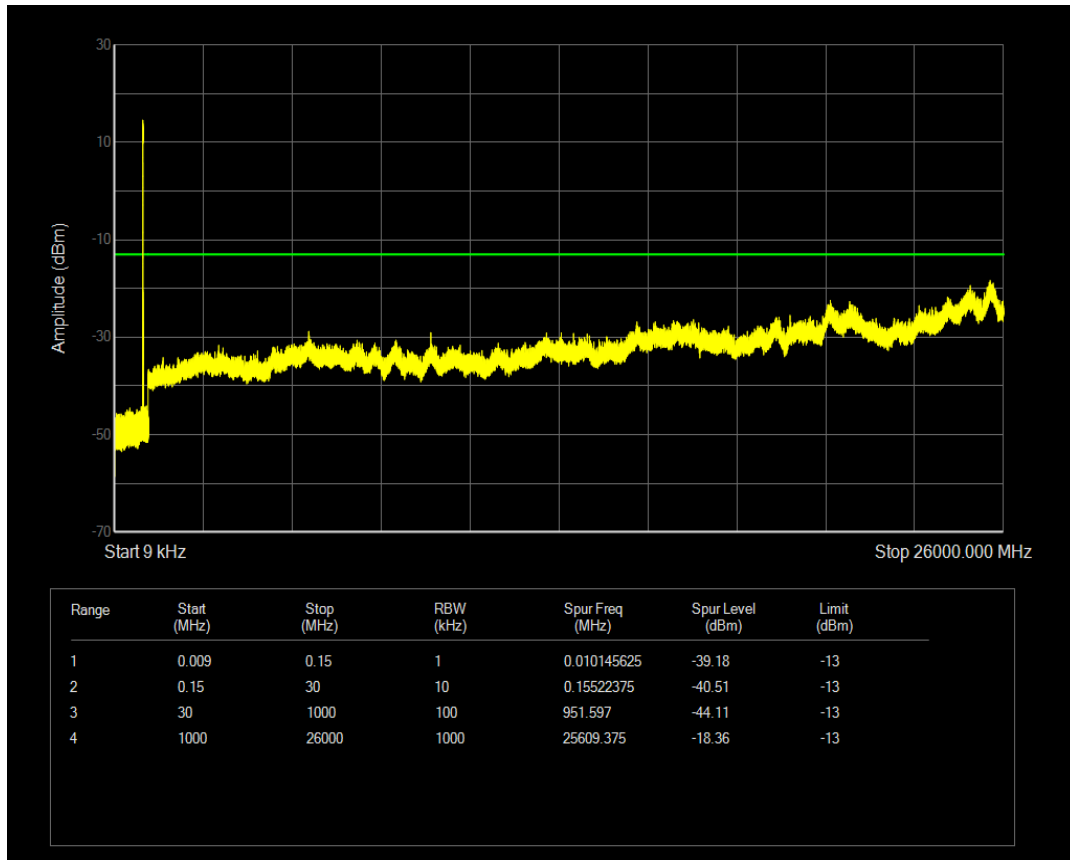




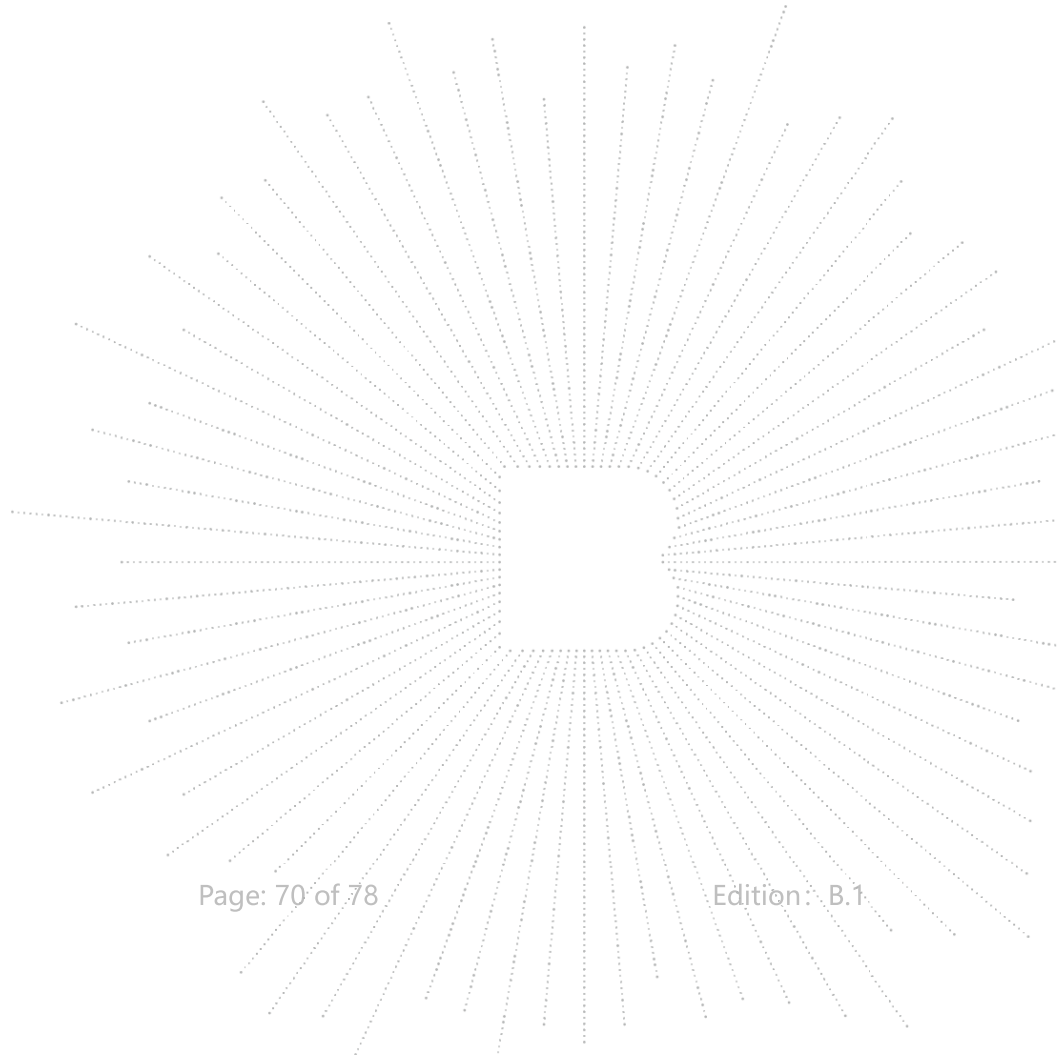
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

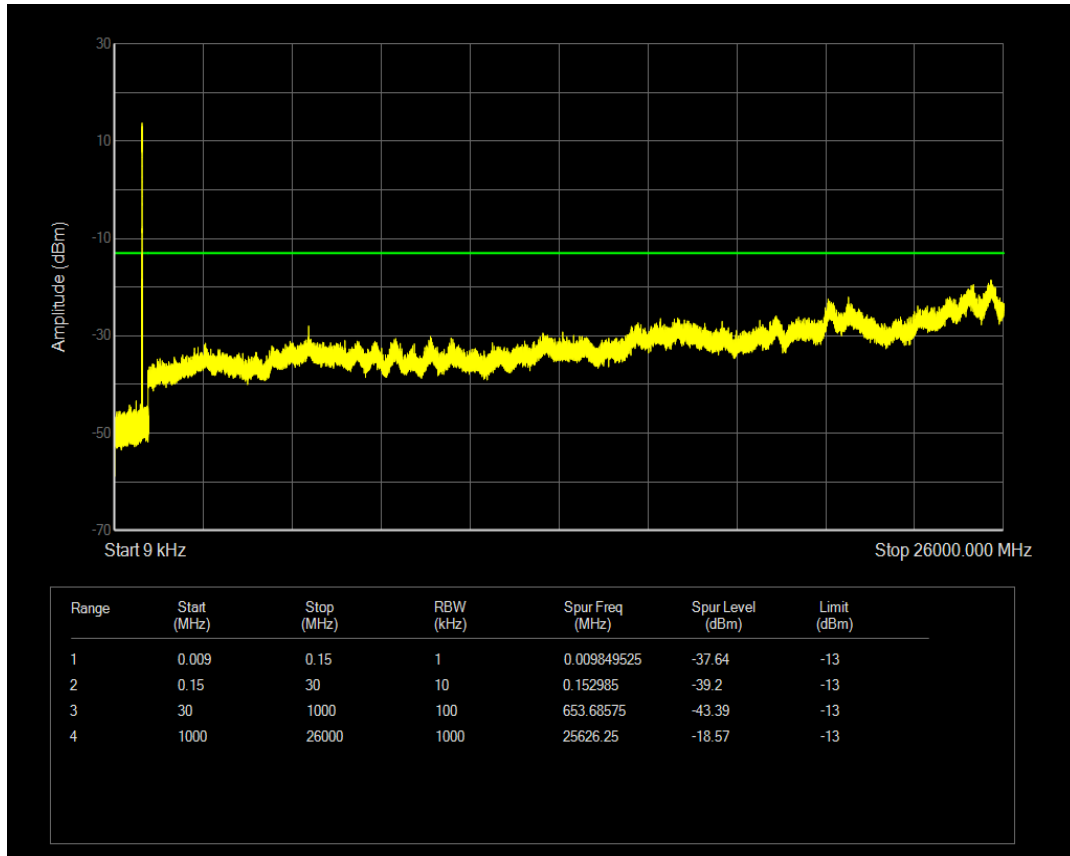


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

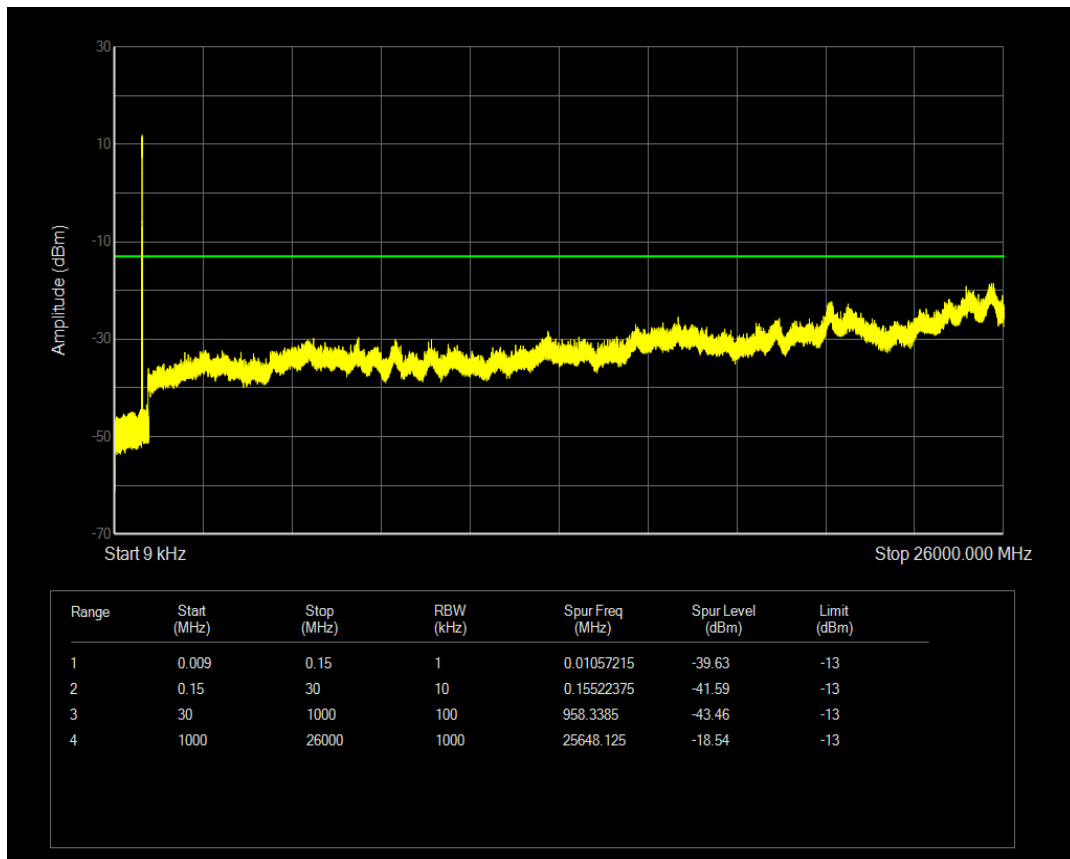


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



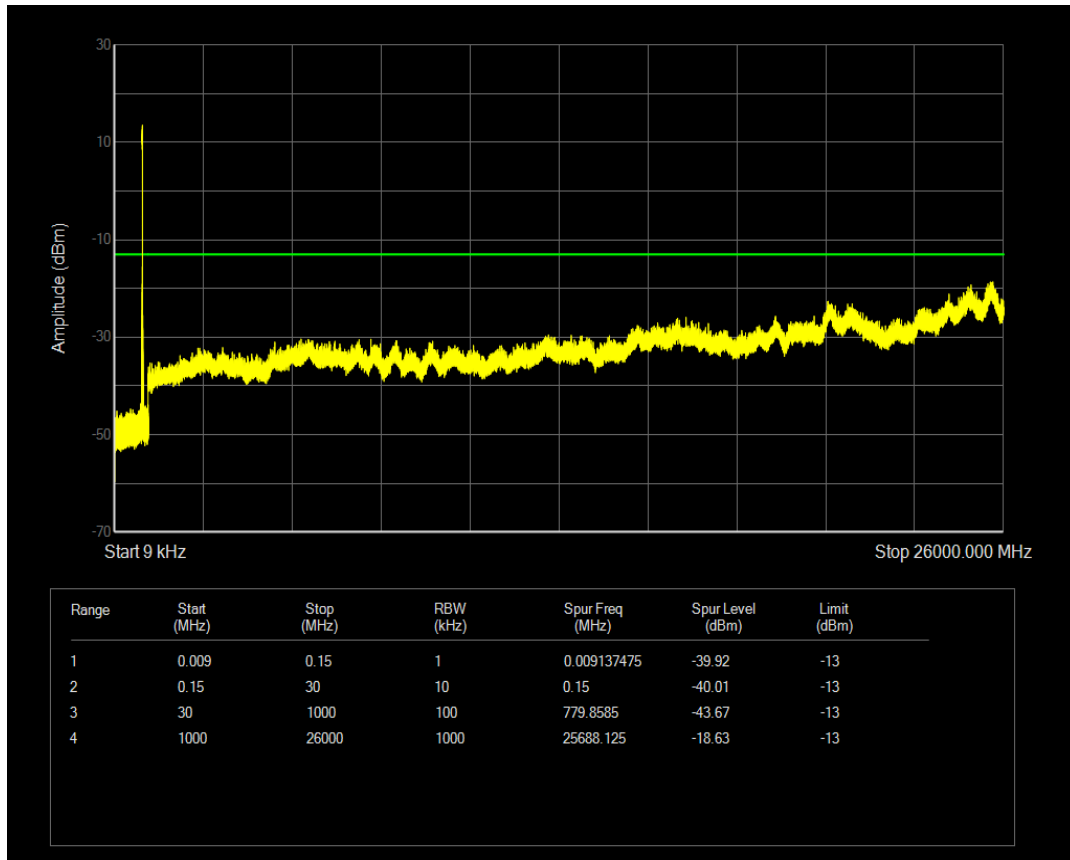


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

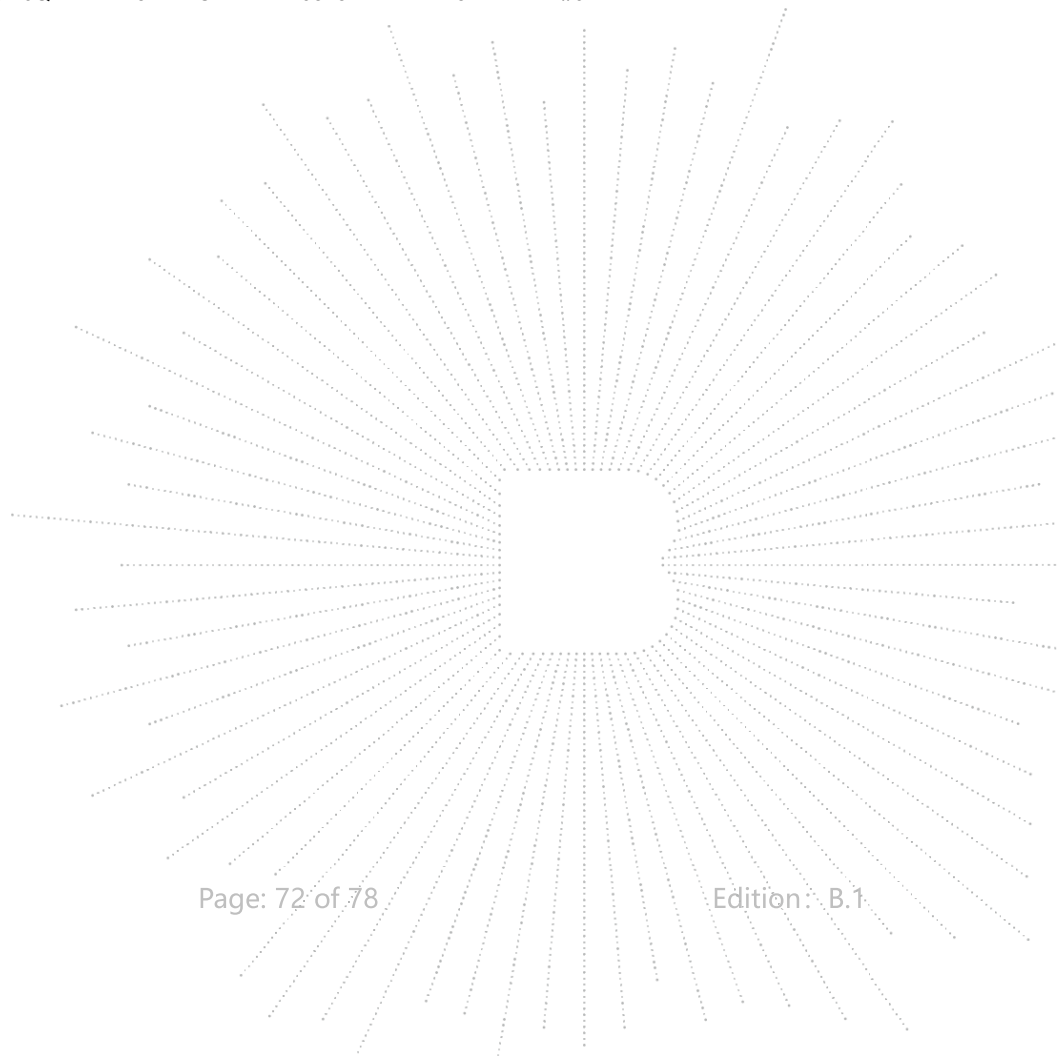


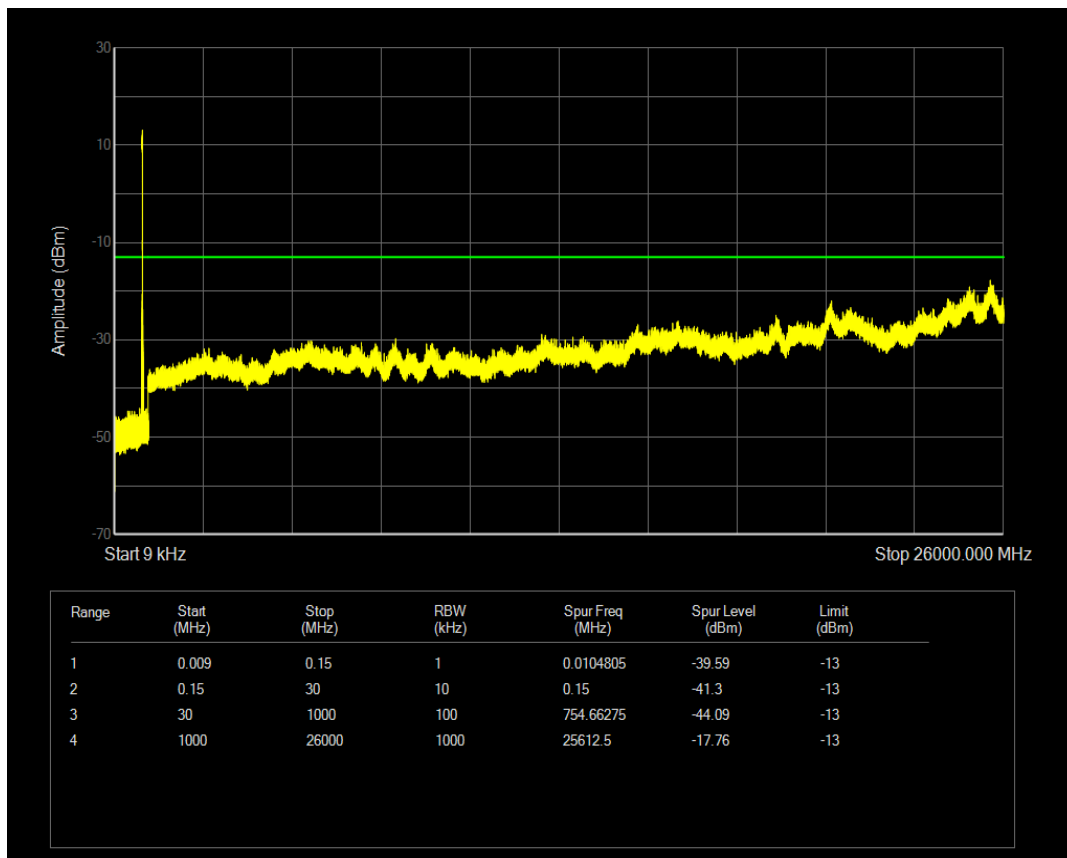


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

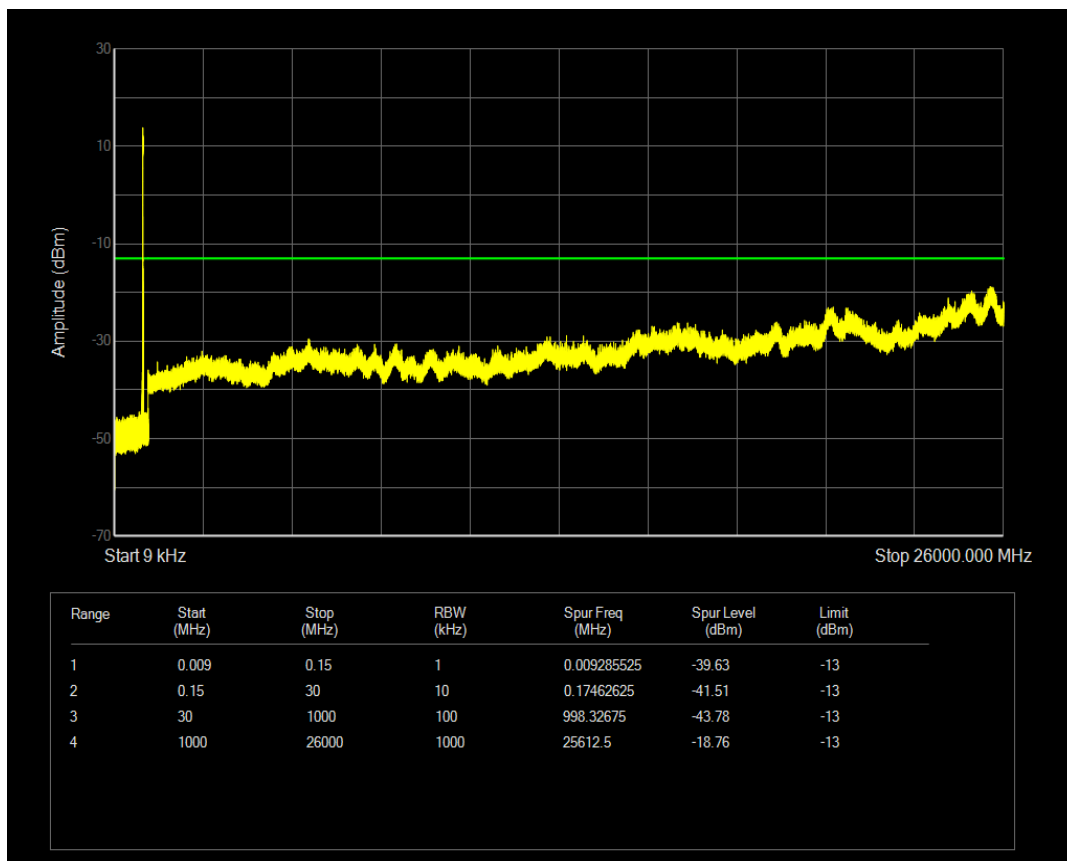


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



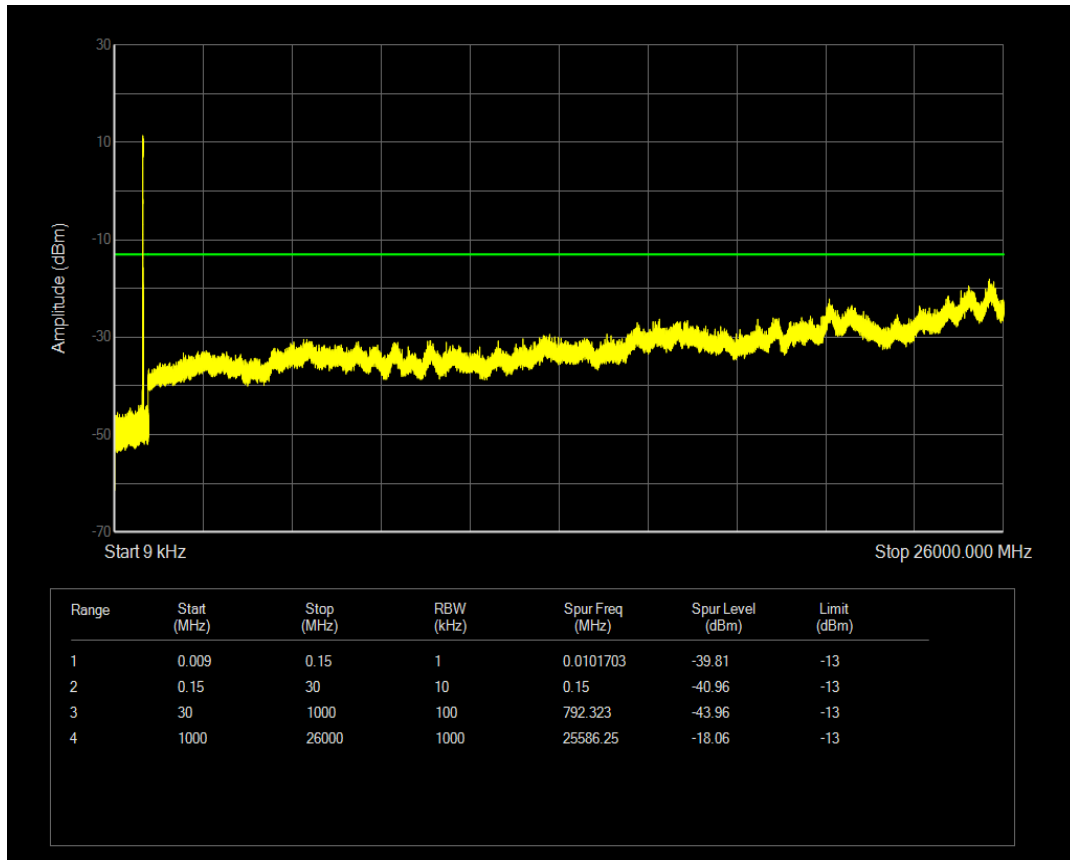


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

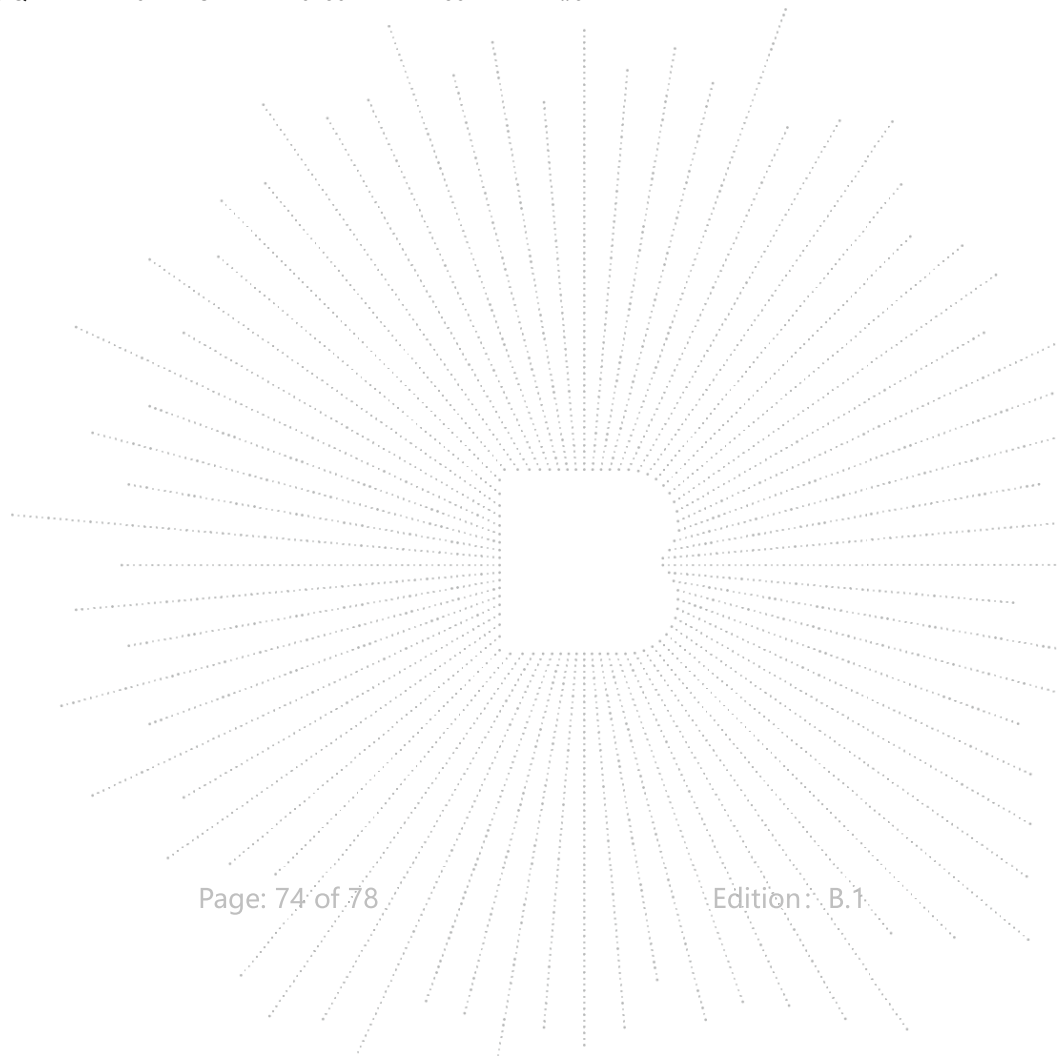


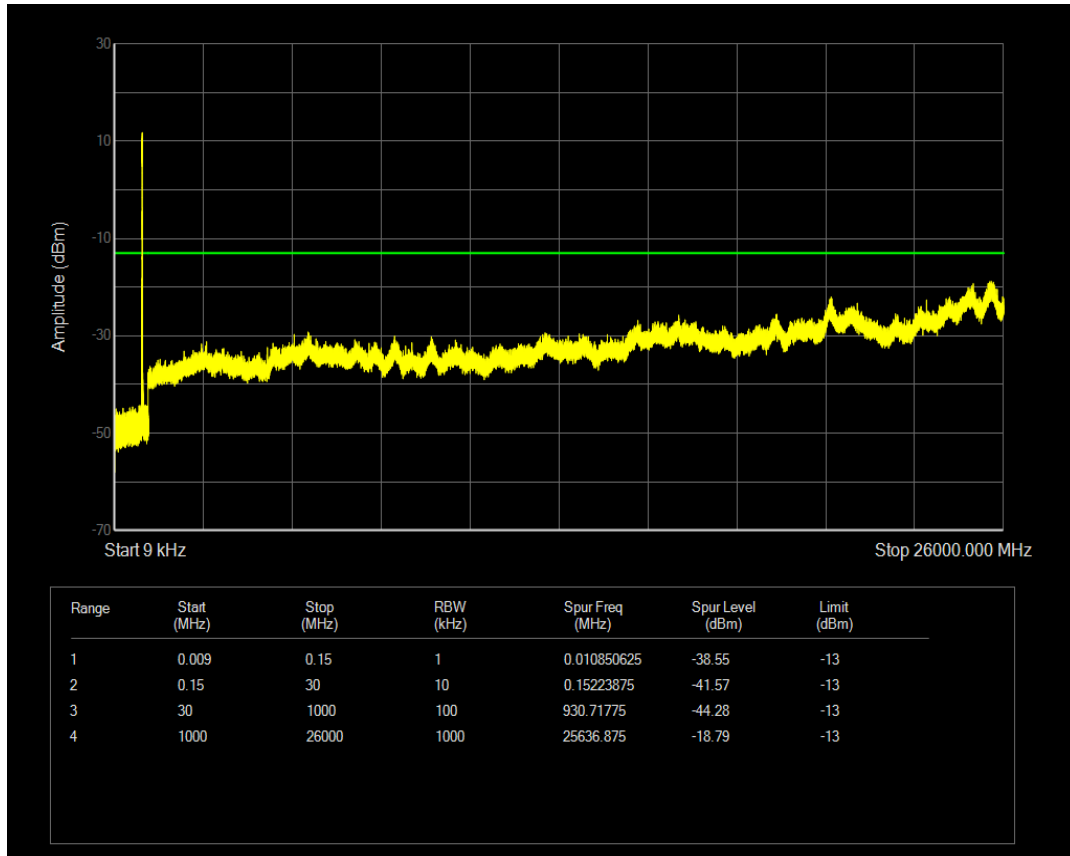


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

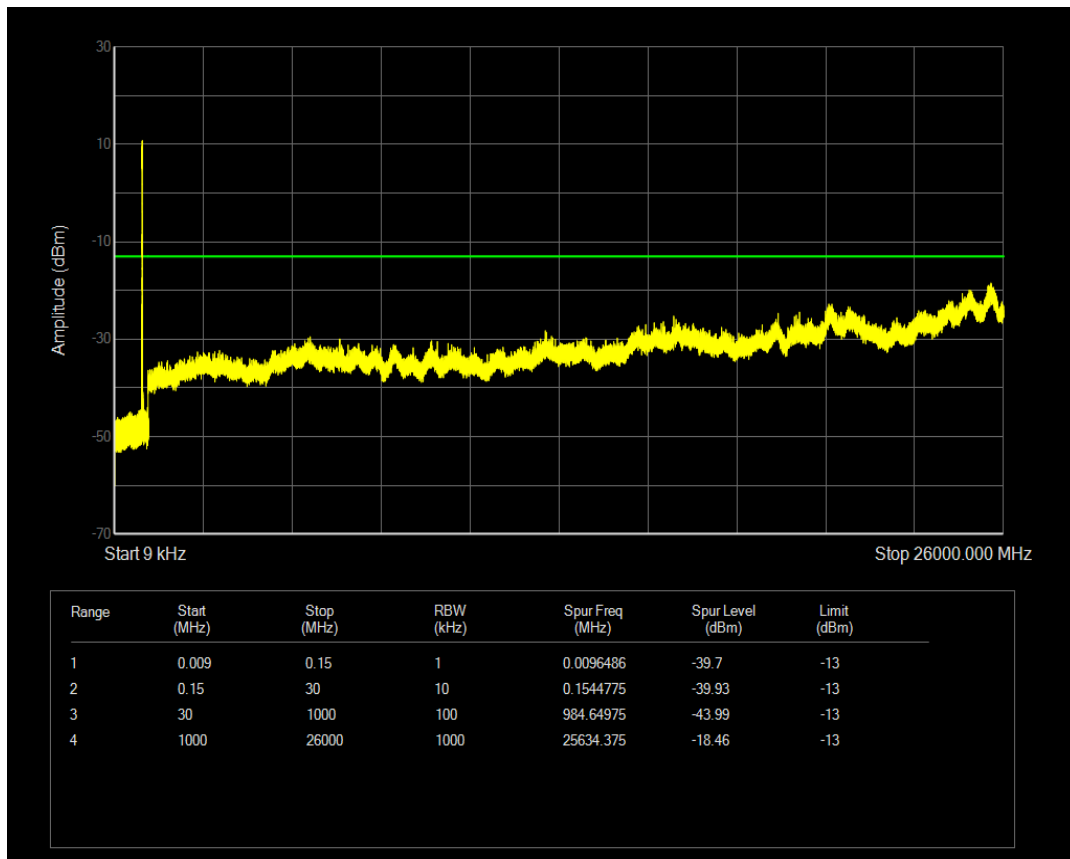


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

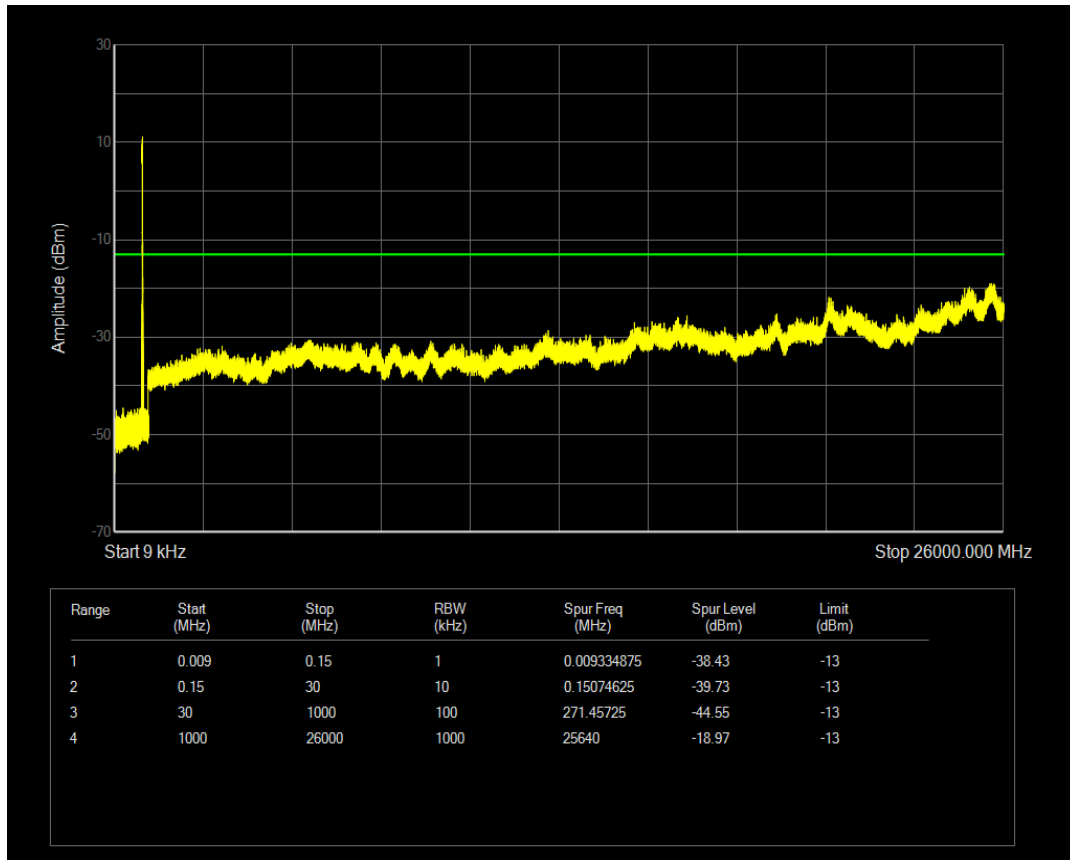




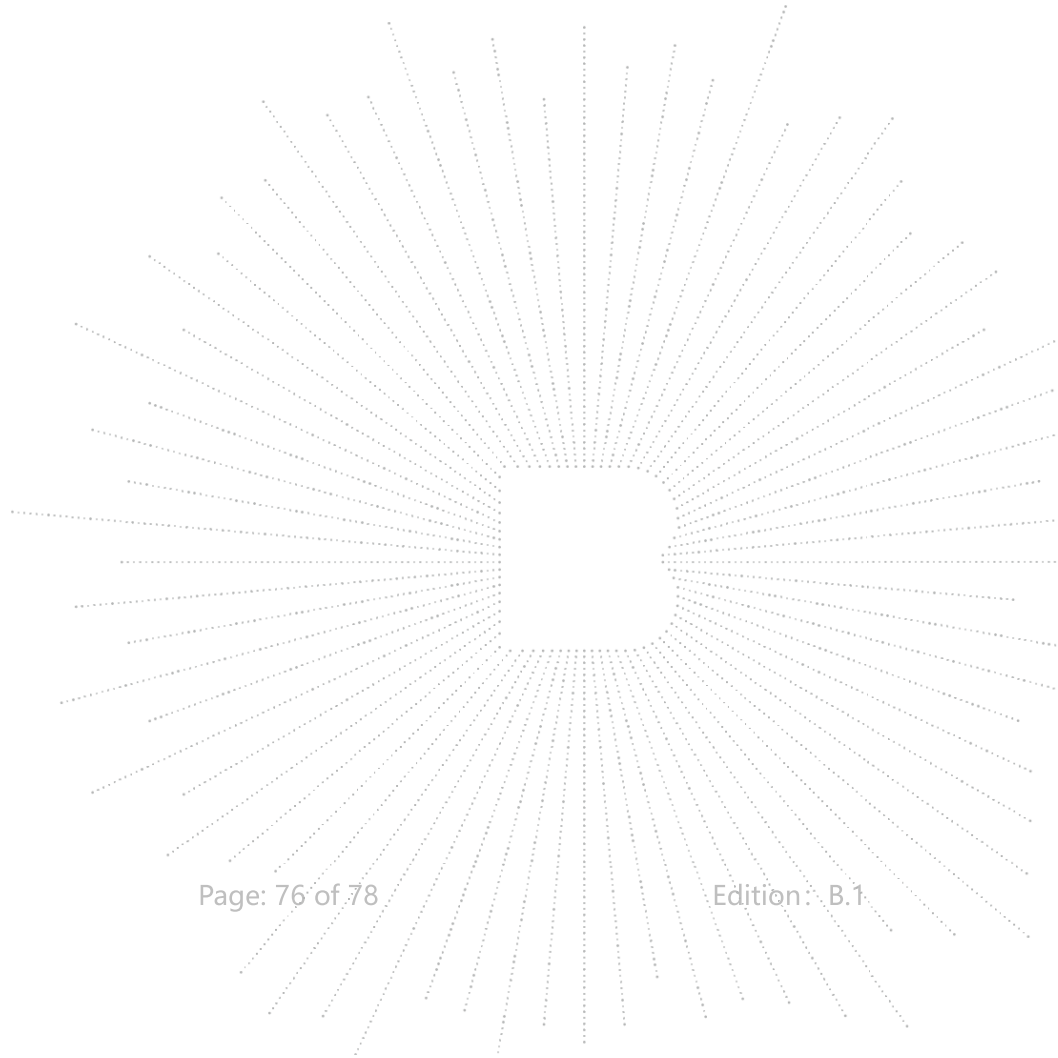
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

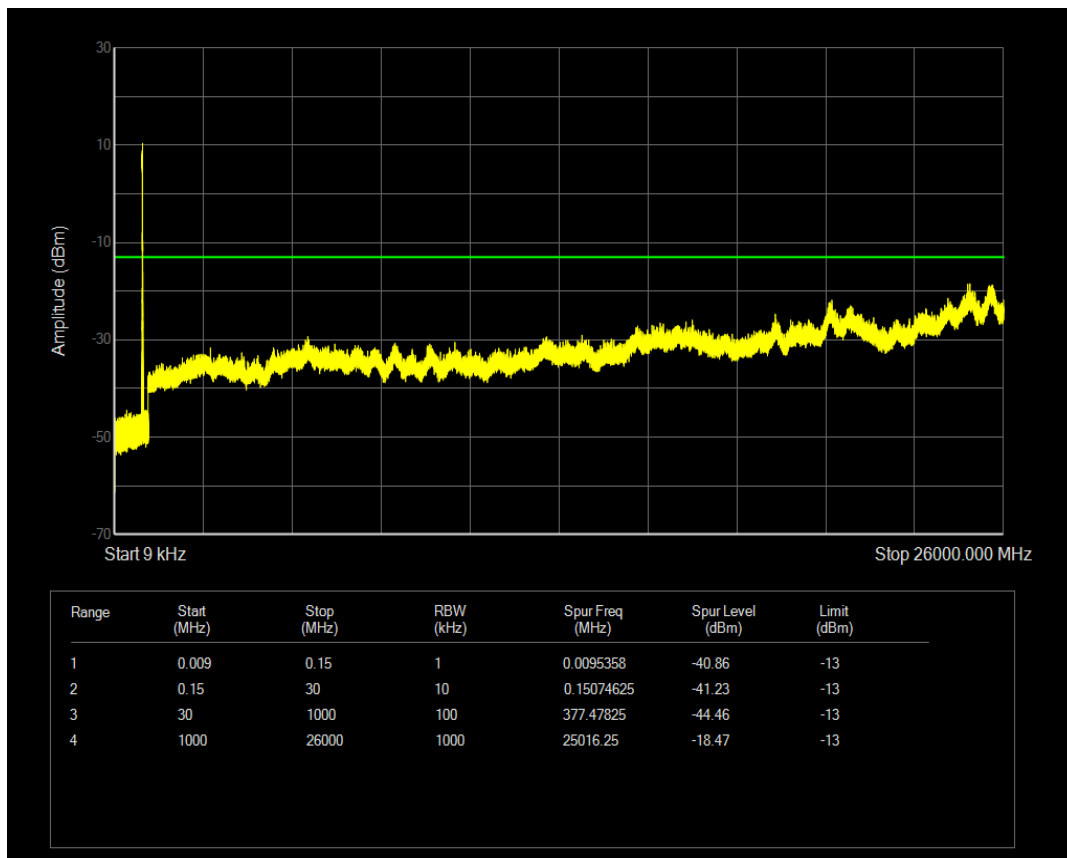


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

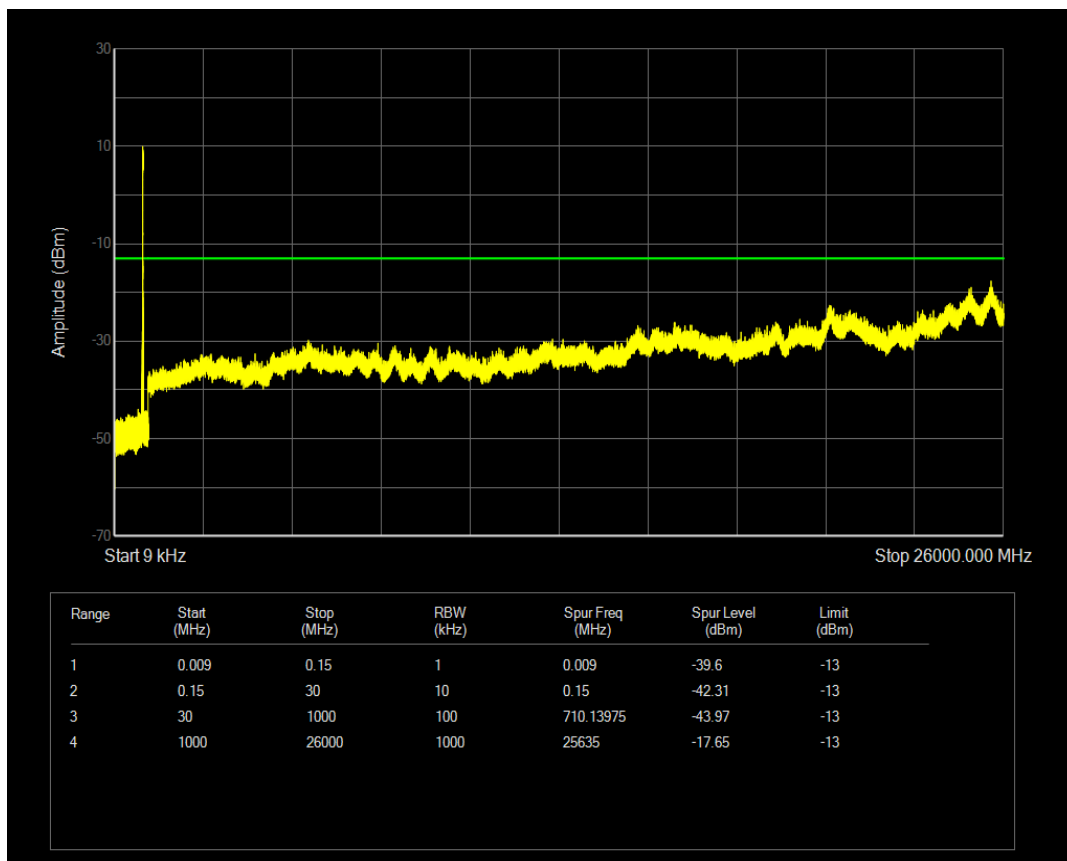


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0





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



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

