

Appendix for Band 5

Report No.: BCTC2407326662-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

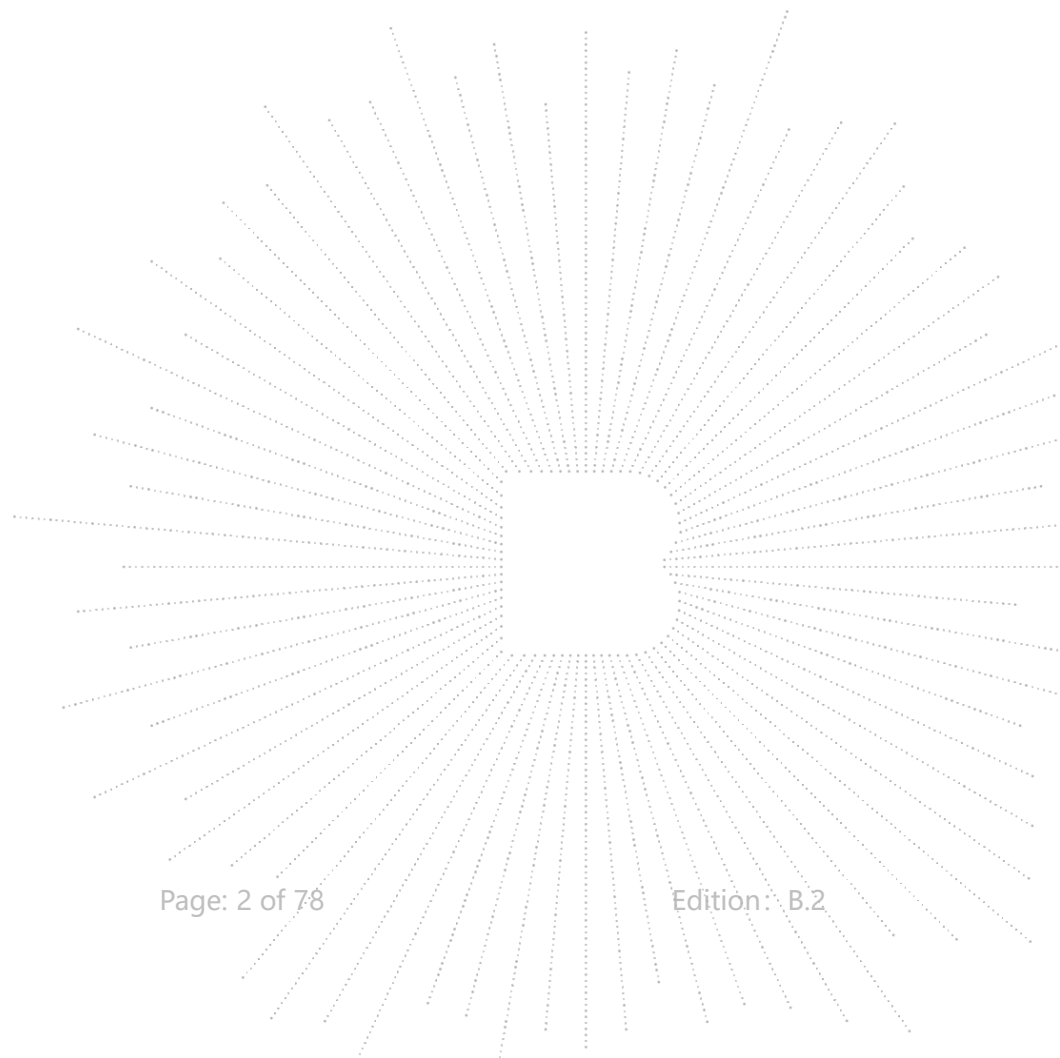
Test Model: S2

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

Shenzhen BCTC Testing Co., Ltd.

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

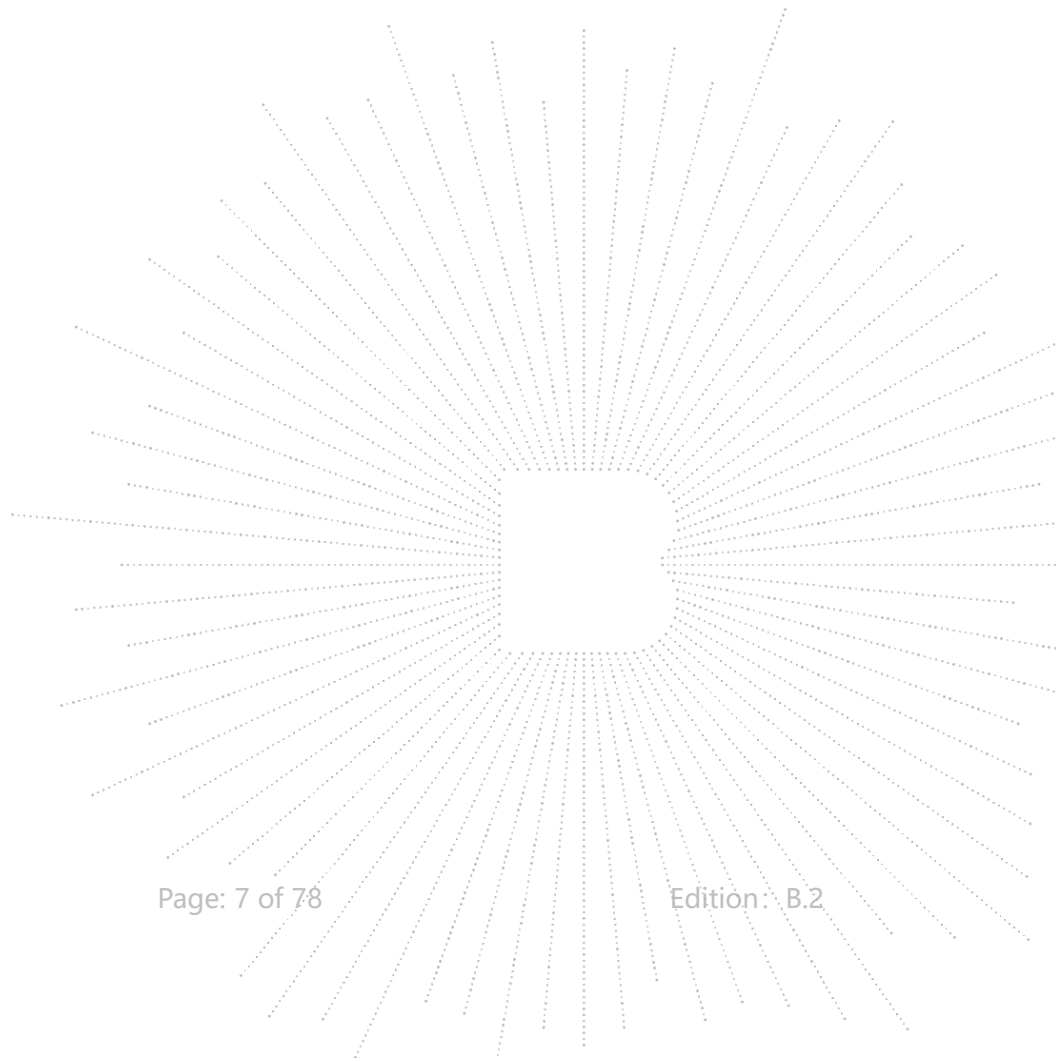
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	23.80	-2.46	19.19	PASS
Band5	1.4	20407	1	#Mid	QPSK	24.00	-2.46	19.39	PASS
Band5	1.4	20407	1	#Max	QPSK	23.87	-2.46	19.26	PASS
Band5	1.4	20407	3	#0	QPSK	23.80	-2.46	19.19	PASS
Band5	1.4	20407	3	#Mid	QPSK	23.84	-2.46	19.23	PASS
Band5	1.4	20407	3	#Max	QPSK	23.84	-2.46	19.23	PASS
Band5	1.4	20407	6	#0	QPSK	22.91	-2.46	18.30	PASS
Band5	1.4	20407	1	#0	16QAM	22.60	-2.46	17.99	PASS
Band5	1.4	20407	1	#Mid	16QAM	22.79	-2.46	18.18	PASS
Band5	1.4	20407	1	#Max	16QAM	22.66	-2.46	18.05	PASS
Band5	1.4	20407	3	#0	16QAM	22.95	-2.46	18.34	PASS
Band5	1.4	20407	3	#Mid	16QAM	22.95	-2.46	18.34	PASS
Band5	1.4	20407	3	#Max	16QAM	23.00	-2.46	18.39	PASS
Band5	1.4	20407	6	#0	16QAM	22.03	-2.46	17.42	PASS
Band5	1.4	20525	1	#0	QPSK	24.15	-2.46	19.54	PASS
Band5	1.4	20525	1	#Mid	QPSK	24.25	-2.46	19.64	PASS
Band5	1.4	20525	1	#Max	QPSK	24.11	-2.46	19.50	PASS
Band5	1.4	20525	3	#0	QPSK	24.05	-2.46	19.44	PASS
Band5	1.4	20525	3	#Mid	QPSK	24.07	-2.46	19.46	PASS
Band5	1.4	20525	3	#Max	QPSK	24.08	-2.46	19.47	PASS
Band5	1.4	20525	6	#0	QPSK	23.16	-2.46	18.55	PASS
Band5	1.4	20525	1	#0	16QAM	23.24	-2.46	18.63	PASS
Band5	1.4	20525	1	#Mid	16QAM	23.35	-2.46	18.74	PASS
Band5	1.4	20525	1	#Max	16QAM	23.25	-2.46	18.64	PASS
Band5	1.4	20525	3	#0	16QAM	23.32	-2.46	18.71	PASS
Band5	1.4	20525	3	#Mid	16QAM	23.32	-2.46	18.71	PASS
Band5	1.4	20525	3	#Max	16QAM	23.28	-2.46	18.67	PASS
Band5	1.4	20525	6	#0	16QAM	22.26	-2.46	17.65	PASS
Band5	1.4	20643	1	#0	QPSK	23.78	-2.46	19.17	PASS
Band5	1.4	20643	1	#Mid	QPSK	23.99	-2.46	19.38	PASS
Band5	1.4	20643	1	#Max	QPSK	23.73	-2.46	19.12	PASS
Band5	1.4	20643	3	#0	QPSK	23.89	-2.46	19.28	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.84	-2.46	19.23	PASS
Band5	1.4	20643	3	#Max	QPSK	23.87	-2.46	19.26	PASS
Band5	1.4	20643	6	#0	QPSK	22.94	-2.46	18.33	PASS

Band5	1.4	20643	1	#0	16QAM	22.99	-2.46	18.38	PASS
Band5	1.4	20643	1	#Mid	16QAM	23.15	-2.46	18.54	PASS
Band5	1.4	20643	1	#Max	16QAM	23.03	-2.46	18.42	PASS
Band5	1.4	20643	3	#0	16QAM	23.14	-2.46	18.53	PASS
Band5	1.4	20643	3	#Mid	16QAM	23.15	-2.46	18.54	PASS
Band5	1.4	20643	3	#Max	16QAM	23.11	-2.46	18.50	PASS
Band5	1.4	20643	6	#0	16QAM	22.05	-2.46	17.44	PASS
Band5	3	20415	1	#0	QPSK	23.82	-2.46	19.21	PASS
Band5	3	20415	1	#Mid	QPSK	24.09	-2.46	19.48	PASS
Band5	3	20415	1	#Max	QPSK	23.92	-2.46	19.31	PASS
Band5	3	20415	8	#0	QPSK	22.99	-2.46	18.38	PASS
Band5	3	20415	8	#Mid	QPSK	23.00	-2.46	18.39	PASS
Band5	3	20415	8	#Max	QPSK	23.01	-2.46	18.40	PASS
Band5	3	20415	15	#0	QPSK	22.93	-2.46	18.32	PASS
Band5	3	20415	1	#0	16QAM	23.21	-2.46	18.60	PASS
Band5	3	20415	1	#Mid	16QAM	23.56	-2.46	18.95	PASS
Band5	3	20415	1	#Max	16QAM	23.34	-2.46	18.73	PASS
Band5	3	20415	8	#0	16QAM	21.95	-2.46	17.34	PASS
Band5	3	20415	8	#Mid	16QAM	21.97	-2.46	17.36	PASS
Band5	3	20415	8	#Max	16QAM	21.97	-2.46	17.36	PASS
Band5	3	20415	15	#0	16QAM	21.92	-2.46	17.31	PASS
Band5	3	20525	1	#0	QPSK	24.09	-2.46	19.48	PASS
Band5	3	20525	1	#Mid	QPSK	24.37	-2.46	19.76	PASS
Band5	3	20525	1	#Max	QPSK	24.10	-2.46	19.49	PASS
Band5	3	20525	8	#0	QPSK	23.14	-2.46	18.53	PASS
Band5	3	20525	8	#Mid	QPSK	23.20	-2.46	18.59	PASS
Band5	3	20525	8	#Max	QPSK	23.20	-2.46	18.59	PASS
Band5	3	20525	15	#0	QPSK	23.15	-2.46	18.54	PASS
Band5	3	20525	1	#0	16QAM	23.34	-2.46	18.73	PASS
Band5	3	20525	1	#Mid	16QAM	23.67	-2.46	19.06	PASS
Band5	3	20525	1	#Max	16QAM	23.32	-2.46	18.71	PASS
Band5	3	20525	8	#0	16QAM	22.14	-2.46	17.53	PASS
Band5	3	20525	8	#Mid	16QAM	22.23	-2.46	17.62	PASS
Band5	3	20525	8	#Max	16QAM	22.17	-2.46	17.56	PASS
Band5	3	20525	15	#0	16QAM	22.07	-2.46	17.46	PASS
Band5	3	20635	1	#0	QPSK	24.02	-2.46	19.41	PASS
Band5	3	20635	1	#Mid	QPSK	24.37	-2.46	19.76	PASS
Band5	3	20635	1	#Max	QPSK	23.97	-2.46	19.36	PASS
Band5	3	20635	8	#0	QPSK	22.97	-2.46	18.36	PASS
Band5	3	20635	8	#Mid	QPSK	23.06	-2.46	18.45	PASS
Band5	3	20635	8	#Max	QPSK	23.04	-2.46	18.43	PASS
Band5	3	20635	15	#0	QPSK	23.01	-2.46	18.40	PASS

Band5	3	20635	1	#0	16QAM	22.90	-2.46	18.29	PASS
Band5	3	20635	1	#Mid	16QAM	23.21	-2.46	18.60	PASS
Band5	3	20635	1	#Max	16QAM	22.77	-2.46	18.16	PASS
Band5	3	20635	8	#0	16QAM	21.93	-2.46	17.32	PASS
Band5	3	20635	8	#Mid	16QAM	21.98	-2.46	17.37	PASS
Band5	3	20635	8	#Max	16QAM	21.96	-2.46	17.35	PASS
Band5	3	20635	15	#0	16QAM	22.05	-2.46	17.44	PASS
Band5	5	20425	1	#0	QPSK	23.62	-2.46	19.01	PASS
Band5	5	20425	1	#Mid	QPSK	24.06	-2.46	19.45	PASS
Band5	5	20425	1	#Max	QPSK	23.84	-2.46	19.23	PASS
Band5	5	20425	12	#0	QPSK	22.90	-2.46	18.29	PASS
Band5	5	20425	12	#Mid	QPSK	22.93	-2.46	18.32	PASS
Band5	5	20425	12	#Max	QPSK	22.91	-2.46	18.30	PASS
Band5	5	20425	25	#0	QPSK	22.91	-2.46	18.30	PASS
Band5	5	20425	1	#0	16QAM	23.12	-2.46	18.51	PASS
Band5	5	20425	1	#Mid	16QAM	23.61	-2.46	19.00	PASS
Band5	5	20425	1	#Max	16QAM	23.40	-2.46	18.79	PASS
Band5	5	20425	12	#0	16QAM	21.87	-2.46	17.26	PASS
Band5	5	20425	12	#Mid	16QAM	21.90	-2.46	17.29	PASS
Band5	5	20425	12	#Max	16QAM	21.86	-2.46	17.25	PASS
Band5	5	20425	25	#0	16QAM	21.86	-2.46	17.25	PASS
Band5	5	20525	1	#0	QPSK	23.90	-2.46	19.29	PASS
Band5	5	20525	1	#Mid	QPSK	24.34	-2.46	19.73	PASS
Band5	5	20525	1	#Max	QPSK	23.91	-2.46	19.30	PASS
Band5	5	20525	12	#0	QPSK	22.97	-2.46	18.36	PASS
Band5	5	20525	12	#Mid	QPSK	23.10	-2.46	18.49	PASS
Band5	5	20525	12	#Max	QPSK	23.01	-2.46	18.40	PASS
Band5	5	20525	25	#0	QPSK	23.04	-2.46	18.43	PASS
Band5	5	20525	1	#0	16QAM	23.30	-2.46	18.69	PASS
Band5	5	20525	1	#Mid	16QAM	23.67	-2.46	19.06	PASS
Band5	5	20525	1	#Max	16QAM	23.26	-2.46	18.65	PASS
Band5	5	20525	12	#0	16QAM	21.88	-2.46	17.27	PASS
Band5	5	20525	12	#Mid	16QAM	22.02	-2.46	17.41	PASS
Band5	5	20525	12	#Max	16QAM	21.95	-2.46	17.34	PASS
Band5	5	20525	25	#0	16QAM	22.04	-2.46	17.43	PASS
Band5	5	20625	1	#0	QPSK	23.76	-2.46	19.15	PASS
Band5	5	20625	1	#Mid	QPSK	24.16	-2.46	19.55	PASS
Band5	5	20625	1	#Max	QPSK	23.66	-2.46	19.05	PASS
Band5	5	20625	12	#0	QPSK	22.93	-2.46	18.32	PASS
Band5	5	20625	12	#Mid	QPSK	22.97	-2.46	18.36	PASS
Band5	5	20625	12	#Max	QPSK	22.96	-2.46	18.35	PASS
Band5	5	20625	25	#0	QPSK	23.00	-2.46	18.39	PASS

Band5	5	20625	1	#0	16QAM	23.14	-2.46	18.53	PASS
Band5	5	20625	1	#Mid	16QAM	23.46	-2.46	18.85	PASS
Band5	5	20625	1	#Max	16QAM	23.04	-2.46	18.43	PASS
Band5	5	20625	12	#0	16QAM	21.94	-2.46	17.33	PASS
Band5	5	20625	12	#Mid	16QAM	21.97	-2.46	17.36	PASS
Band5	5	20625	12	#Max	16QAM	22.02	-2.46	17.41	PASS
Band5	5	20625	25	#0	16QAM	21.92	-2.46	17.31	PASS
Band5	10	20450	1	#0	QPSK	23.74	-2.46	19.13	PASS
Band5	10	20450	1	#Mid	QPSK	24.20	-2.46	19.59	PASS
Band5	10	20450	1	#Max	QPSK	24.04	-2.46	19.43	PASS
Band5	10	20450	25	#0	QPSK	23.14	-2.46	18.53	PASS
Band5	10	20450	25	#Mid	QPSK	23.14	-2.46	18.53	PASS
Band5	10	20450	25	#Max	QPSK	23.23	-2.46	18.62	PASS
Band5	10	20450	50	#0	QPSK	23.17	-2.46	18.56	PASS
Band5	10	20450	1	#0	16QAM	23.15	-2.46	18.54	PASS
Band5	10	20450	1	#Mid	16QAM	23.58	-2.46	18.97	PASS
Band5	10	20450	1	#Max	16QAM	23.48	-2.46	18.87	PASS
Band5	10	20450	25	#0	16QAM	22.14	-2.46	17.53	PASS
Band5	10	20450	25	#Mid	16QAM	22.10	-2.46	17.49	PASS
Band5	10	20450	25	#Max	16QAM	22.22	-2.46	17.61	PASS
Band5	10	20450	50	#0	16QAM	22.15	-2.46	17.54	PASS
Band5	10	20525	1	#0	QPSK	24.06	-2.46	19.45	PASS
Band5	10	20525	1	#Mid	QPSK	24.29	-2.46	19.68	PASS
Band5	10	20525	1	#Max	QPSK	24.02	-2.46	19.41	PASS
Band5	10	20525	25	#0	QPSK	23.12	-2.46	18.51	PASS
Band5	10	20525	25	#Mid	QPSK	23.16	-2.46	18.55	PASS
Band5	10	20525	25	#Max	QPSK	23.10	-2.46	18.49	PASS
Band5	10	20525	50	#0	QPSK	23.06	-2.46	18.45	PASS
Band5	10	20525	1	#0	16QAM	22.95	-2.46	18.34	PASS
Band5	10	20525	1	#Mid	16QAM	23.16	-2.46	18.55	PASS
Band5	10	20525	1	#Max	16QAM	22.85	-2.46	18.24	PASS
Band5	10	20525	25	#0	16QAM	22.05	-2.46	17.44	PASS
Band5	10	20525	25	#Mid	16QAM	0.00	-2.46	-4.61	PASS
Band5	10	20525	25	#Max	16QAM	0.00	-2.46	-4.61	PASS
Band5	10	20525	50	#0	16QAM	0.00	-2.46	-4.61	PASS
Band5	10	20600	1	#0	QPSK	24.01	-2.46	19.40	PASS
Band5	10	20600	1	#Mid	QPSK	24.12	-2.46	19.51	PASS
Band5	10	20600	1	#Max	QPSK	23.85	-2.46	19.24	PASS
Band5	10	20600	25	#0	QPSK	23.36	-2.46	18.75	PASS
Band5	10	20600	25	#Mid	QPSK	23.09	-2.46	18.48	PASS
Band5	10	20600	25	#Max	QPSK	23.10	-2.46	18.49	PASS
Band5	10	20600	50	#0	QPSK	23.23	-2.46	18.62	PASS

Band5	10	20600	1	#0	16QAM	23.21	-2.46	18.60	PASS
Band5	10	20600	1	#Mid	16QAM	23.30	-2.46	18.69	PASS
Band5	10	20600	1	#Max	16QAM	23.06	-2.46	18.45	PASS
Band5	10	20600	25	#0	16QAM	22.35	-2.46	17.74	PASS
Band5	10	20600	25	#Mid	16QAM	22.10	-2.46	17.49	PASS
Band5	10	20600	25	#Max	16QAM	22.10	-2.46	17.49	PASS
Band5	10	20600	50	#0	16QAM	22.27	-2.46	17.66	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	-4.39	-0.005	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-11.54	-0.014	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-14.32	-0.017	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-11.39	-0.014	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-9.77	-0.012	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-8.73	-0.011	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-8.51	-0.010	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-6.38	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-8.57	-0.010	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-6.28	-0.008	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-8.84	-0.011	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-5.98	-0.007	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-8.05	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-8.55	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-9.63	-0.011	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-8.21	-0.010	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	37.19	0.044	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	14.23	0.017	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-5.25	-0.006	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-12.07	-0.015	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-9.84	-0.012	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-9.17	-0.011	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-7.75	-0.009	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-6.75	-0.008	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-5.87	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-7.84	-0.009	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-6.31	-0.008	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-7.94	-0.009	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-5.31	-0.006	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-6.41	-0.008	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-6.65	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-8.13	-0.010	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-5.65	-0.007	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-7.30	-0.009	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-8.33	-0.010	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-6.19	-0.007	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-4.94	-0.006	PASS

Band5	5	20425	25	#0	QPSK	NV	NT	-8.00	-0.010	PASS
Band5	5	20425	25	#0	QPSK	HV	NT	-7.93	-0.010	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-6.27	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-6.17	-0.007	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-6.75	-0.008	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	0.99	0.001	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	5.66	0.007	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-5.09	-0.006	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-7.75	-0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-4.71	-0.006	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-8.53	-0.010	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-7.62	-0.009	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-11.22	-0.013	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-4.86	-0.006	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-5.84	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-10.06	-0.012	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-6.37	-0.008	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-10.27	-0.012	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	-8.70	-0.010	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-6.54	-0.008	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	-8.07	-0.010	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	-6.31	-0.008	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	-7.38	-0.009	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-6.72	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-6.87	-0.008	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-7.55	-0.009	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	-7.68	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	-6.21	-0.007	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	-7.95	-0.010	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	4.23	0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-6.09	-0.007	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-7.25	-0.009	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	-7.74	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	-6.48	-0.008	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	-5.89	-0.007	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	-7.00	-0.008	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-11.90	-0.014	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-8.60	-0.010	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-11.63	-0.014	PASS

Band5	1.4	20407	6	#0	QPSK	NV	10	-9.88	-0.012	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-7.31	-0.009	PASS
Band5	1.4	20407	6	#0	QPSK	NV	30	-5.91	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-6.38	-0.008	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-7.34	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-9.93	-0.012	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-6.77	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-8.01	-0.010	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-7.82	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-4.45	-0.005	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-6.87	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-9.14	-0.011	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-7.18	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-6.29	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-7.62	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	-4.43	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	-5.15	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	-5.78	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	-7.65	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	-8.00	-0.010	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	-4.33	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-5.04	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-5.75	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	-7.34	-0.009	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-8.88	-0.011	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-3.76	-0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-3.88	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-4.66	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-5.38	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-6.78	-0.008	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-6.77	-0.008	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-9.71	-0.012	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-6.07	-0.007	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-4.85	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-6.04	-0.007	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-9.36	-0.011	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-7.51	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	-8.10	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-4.02	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-1.66	-0.002	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-2.52	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	-4.82	-0.006	PASS

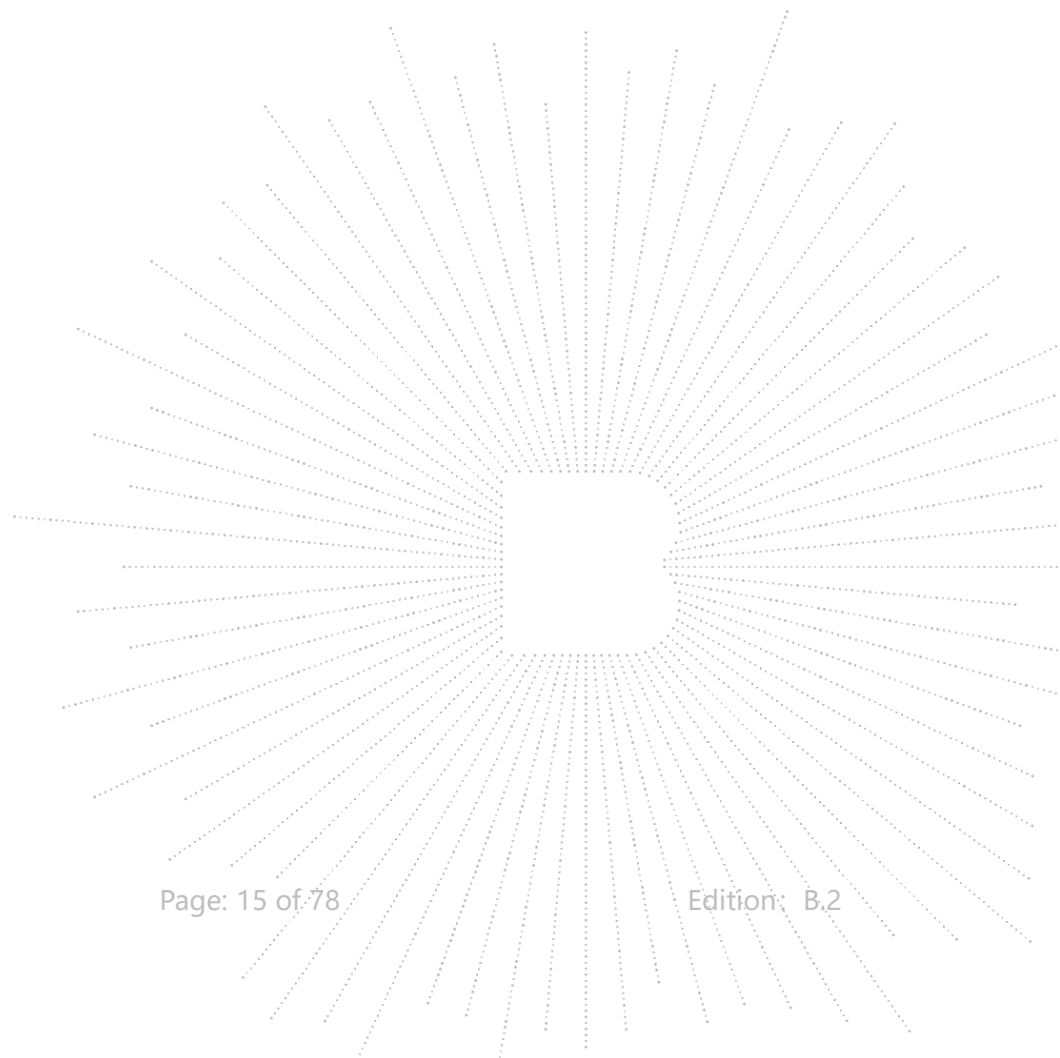
Band5	1.4	20643	6	#0	16QAM	NV	-20	-4.76	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-5.11	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	-6.95	-0.008	PASS
Band5	1.4	20643	6	#0	16QAM	NV	10	-7.44	-0.009	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-5.81	-0.007	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-5.26	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	-6.98	-0.008	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	-3.85	-0.005	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-4.08	-0.005	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-10.20	-0.012	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-13.93	-0.017	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-14.76	-0.018	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-11.97	-0.015	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-6.41	-0.008	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-8.87	-0.011	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-6.75	-0.008	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-6.71	-0.008	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-9.28	-0.011	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	-5.34	-0.006	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	-7.65	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	0	-7.94	-0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-7.54	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-8.61	-0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-4.26	-0.005	PASS
Band5	3	20415	15	#0	16QAM	NV	40	-5.66	-0.007	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-7.70	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-6.67	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-6.59	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-7.70	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-5.38	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-4.61	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-6.14	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-6.65	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-5.72	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	50	-6.67	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	-6.69	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	-7.70	-0.009	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	-5.18	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-6.49	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-6.97	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-7.00	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-3.35	-0.004	PASS

Band5	3	20525	15	#0	16QAM	NV	40	-4.13	-0.005	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-5.85	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-6.31	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-6.68	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	-10	-5.46	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-8.47	-0.010	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-17.19	-0.020	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-12.42	-0.015	PASS
Band5	3	20635	15	#0	QPSK	NV	30	-8.33	-0.010	PASS
Band5	3	20635	15	#0	QPSK	NV	40	-6.94	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	50	-5.98	-0.007	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	-7.71	-0.009	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	-10.77	-0.013	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	-4.59	-0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	0	-4.73	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	10	-6.48	-0.008	PASS
Band5	3	20635	15	#0	16QAM	NV	20	-7.18	-0.008	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-9.66	-0.011	PASS
Band5	3	20635	15	#0	16QAM	NV	40	-7.64	-0.009	PASS
Band5	3	20635	15	#0	16QAM	NV	50	-5.48	-0.006	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-6.09	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-10.97	-0.013	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-10.54	-0.013	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-9.86	-0.012	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-9.84	-0.012	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-8.24	-0.010	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-8.68	-0.011	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-8.83	-0.011	PASS
Band5	5	20425	25	#0	QPSK	NV	50	-9.68	-0.012	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	-8.37	-0.010	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	-8.53	-0.010	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	-7.62	-0.009	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-5.97	-0.007	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-7.81	-0.009	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-5.42	-0.007	PASS
Band5	5	20425	25	#0	16QAM	NV	30	-11.01	-0.013	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-8.77	-0.011	PASS
Band5	5	20425	25	#0	16QAM	NV	50	-6.61	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	-7.57	-0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	-11.39	-0.014	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	-9.94	-0.012	PASS
Band5	5	20525	25	#0	QPSK	NV	0	-9.38	-0.011	PASS

Band5	5	20525	25	#0	QPSK	NV	10	-8.93	-0.011	PASS
Band5	5	20525	25	#0	QPSK	NV	20	-9.17	-0.011	PASS
Band5	5	20525	25	#0	QPSK	NV	30	-12.59	-0.015	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-9.64	-0.012	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-9.10	-0.011	PASS
Band5	5	20525	25	#0	16QAM	NV	-30	-4.88	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	-10.73	-0.013	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	-8.00	-0.010	PASS
Band5	5	20525	25	#0	16QAM	NV	0	-7.98	-0.010	PASS
Band5	5	20525	25	#0	16QAM	NV	10	-8.15	-0.010	PASS
Band5	5	20525	25	#0	16QAM	NV	20	-5.98	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	30	-7.30	-0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	40	-5.72	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	50	-6.45	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	-9.07	-0.011	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-10.96	-0.013	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-9.98	-0.012	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-8.71	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-8.71	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	20	-6.95	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	30	-9.34	-0.011	PASS
Band5	5	20625	25	#0	QPSK	NV	40	-6.97	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	50	-7.04	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-6.08	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	-8.55	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	-6.67	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	0	-5.94	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-6.32	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	20	-7.04	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	30	-4.91	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	40	-9.57	-0.011	PASS
Band5	5	20625	25	#0	16QAM	NV	50	-5.25	-0.006	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-6.41	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	4.29	0.005	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-6.24	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-7.38	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-5.58	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-4.59	-0.006	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-7.31	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-6.82	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	50	-5.74	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	-6.45	-0.008	PASS

Band5	10	20450	50	#0	16QAM	NV	-20	-5.54	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	-6.07	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	0	-6.31	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	10	-5.92	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	20	-6.52	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	30	-5.39	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	40	-9.84	-0.012	PASS
Band5	10	20450	50	#0	16QAM	NV	50	-5.78	-0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-6.68	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-7.88	-0.009	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-7.41	-0.009	PASS
Band5	10	20525	50	#0	QPSK	NV	0	-6.92	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	10	-4.53	-0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-7.64	-0.009	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-5.09	-0.006	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-3.71	-0.004	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-6.82	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	6.11	0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	-6.08	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	-3.92	-0.005	PASS
Band5	10	20525	50	#0	16QAM	NV	0	-6.84	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	10	-6.82	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	20	-6.05	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	30	-6.05	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	40	-6.28	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	50	-4.43	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-11.27	-0.013	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-10.07	-0.012	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-7.68	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-6.75	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	10	-8.48	-0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	20	-7.38	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	30	-8.55	-0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	40	-8.03	-0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	50	-8.41	-0.010	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	-7.21	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	-7.80	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	-5.28	-0.006	PASS
Band5	10	20600	50	#0	16QAM	NV	0	-6.57	-0.008	PASS
Band5	10	20600	50	#0	16QAM	NV	10	-9.44	-0.011	PASS
Band5	10	20600	50	#0	16QAM	NV	20	-6.22	-0.007	PASS
Band5	10	20600	50	#0	16QAM	NV	30	-6.27	-0.007	PASS

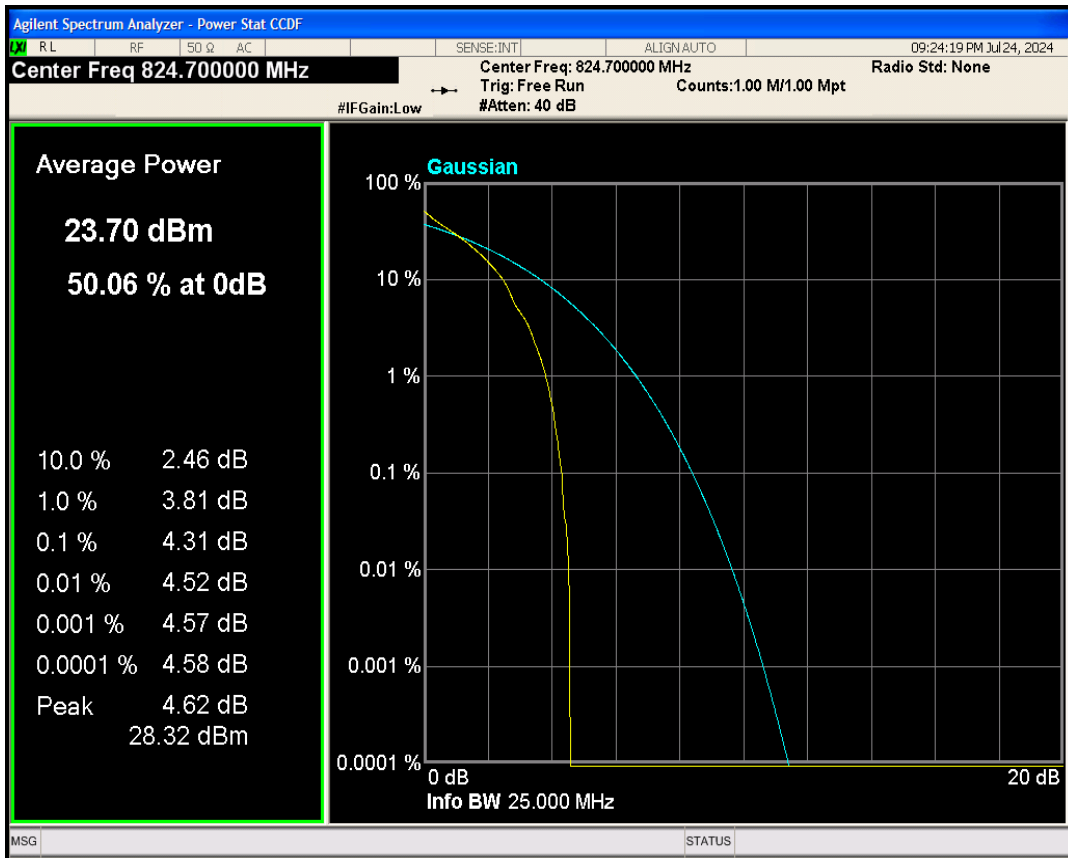
Band5	10	20600	50	#0	16QAM	NV	40	-7.31	-0.009	PASS
Band5	10	20600	50	#0	16QAM	NV	50	-7.11	-0.008	PASS



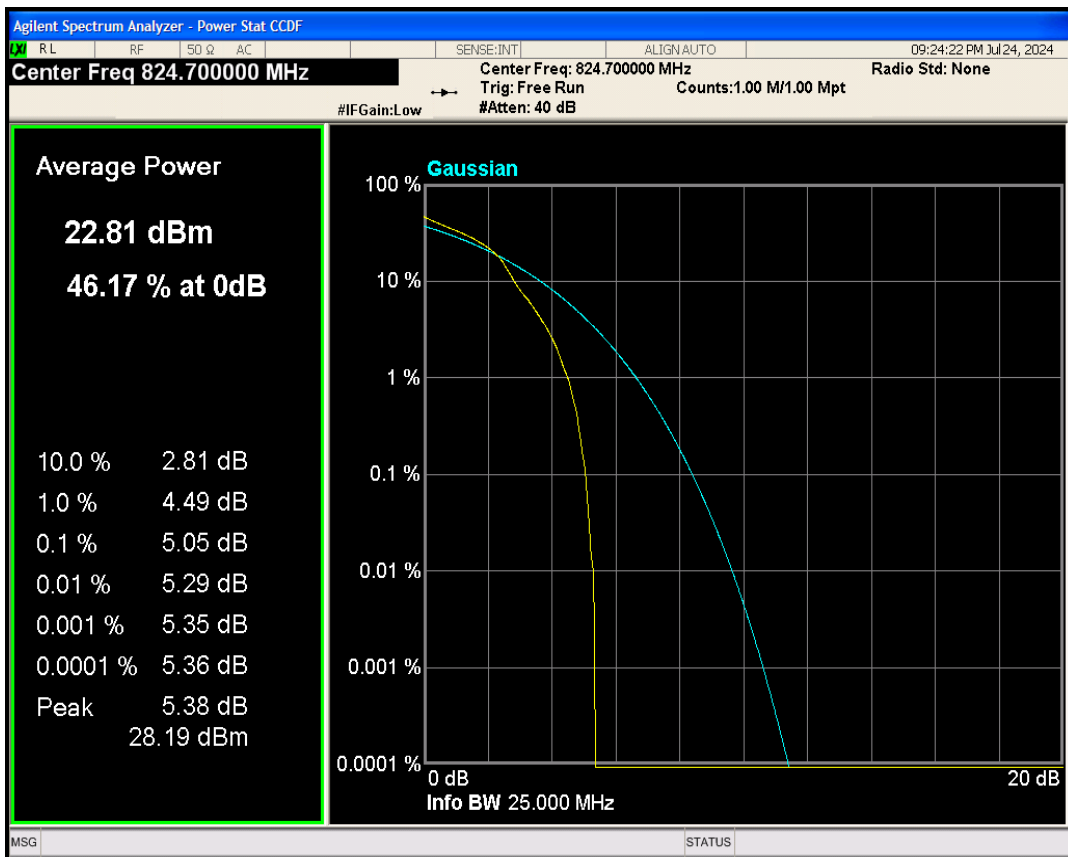
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	4.31	13	PASS
Band5	1.4	20407	1	#0	16QAM	5.05	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.03	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.81	13	PASS
Band5	1.4	20643	1	#0	QPSK	4.35	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.28	13	PASS
Band5	3	20415	1	#0	QPSK	4.31	13	PASS
Band5	3	20415	1	#0	16QAM	5.16	13	PASS
Band5	3	20525	1	#0	QPSK	4.92	13	PASS
Band5	3	20525	1	#0	16QAM	5.90	13	PASS
Band5	3	20635	1	#0	QPSK	4.29	13	PASS
Band5	3	20635	1	#0	16QAM	4.92	13	PASS
Band5	5	20425	1	#0	QPSK	4.59	13	PASS
Band5	5	20425	1	#0	16QAM	5.19	13	PASS
Band5	5	20525	1	#0	QPSK	4.84	13	PASS
Band5	5	20525	1	#0	16QAM	5.43	13	PASS
Band5	5	20625	1	#0	QPSK	4.20	13	PASS
Band5	5	20625	1	#0	16QAM	4.84	13	PASS
Band5	10	20450	1	#0	QPSK	4.27	13	PASS
Band5	10	20450	1	#0	16QAM	5.09	13	PASS
Band5	10	20525	1	#0	QPSK	4.69	13	PASS
Band5	10	20525	1	#0	16QAM	5.72	13	PASS
Band5	10	20600	1	#0	QPSK	3.88	13	PASS
Band5	10	20600	1	#0	16QAM	4.68	13	PASS

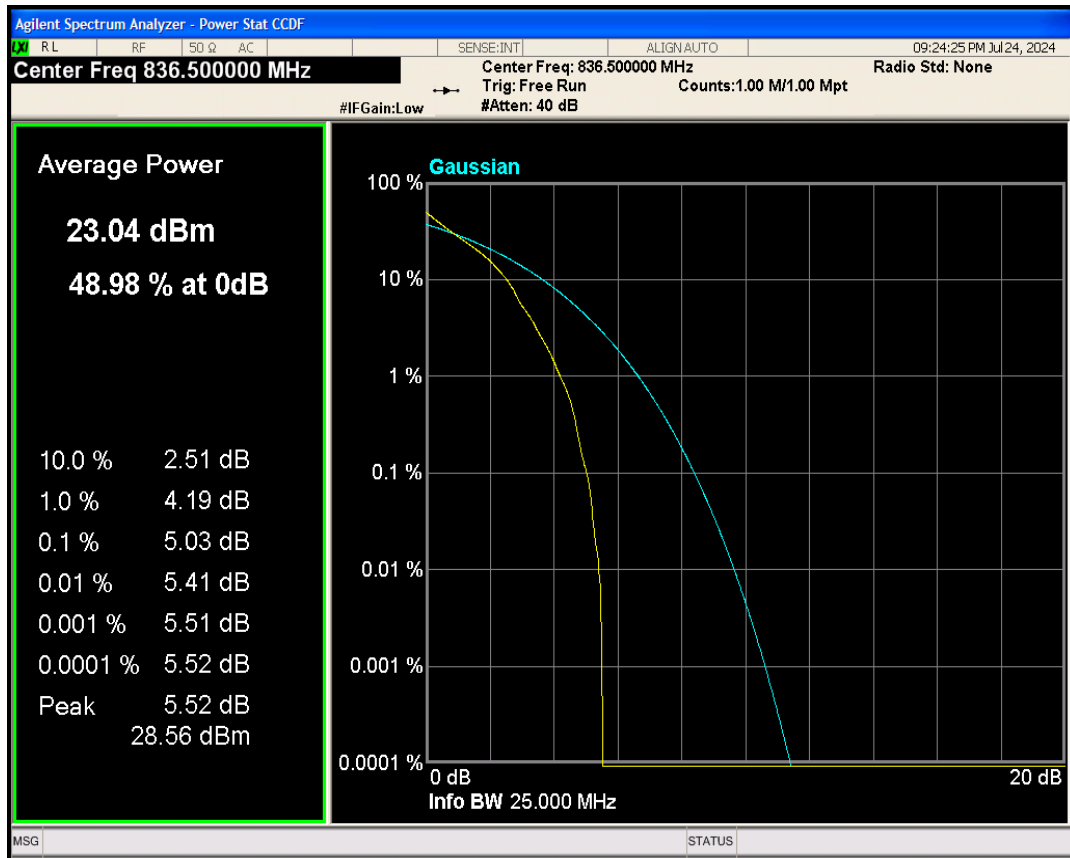
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



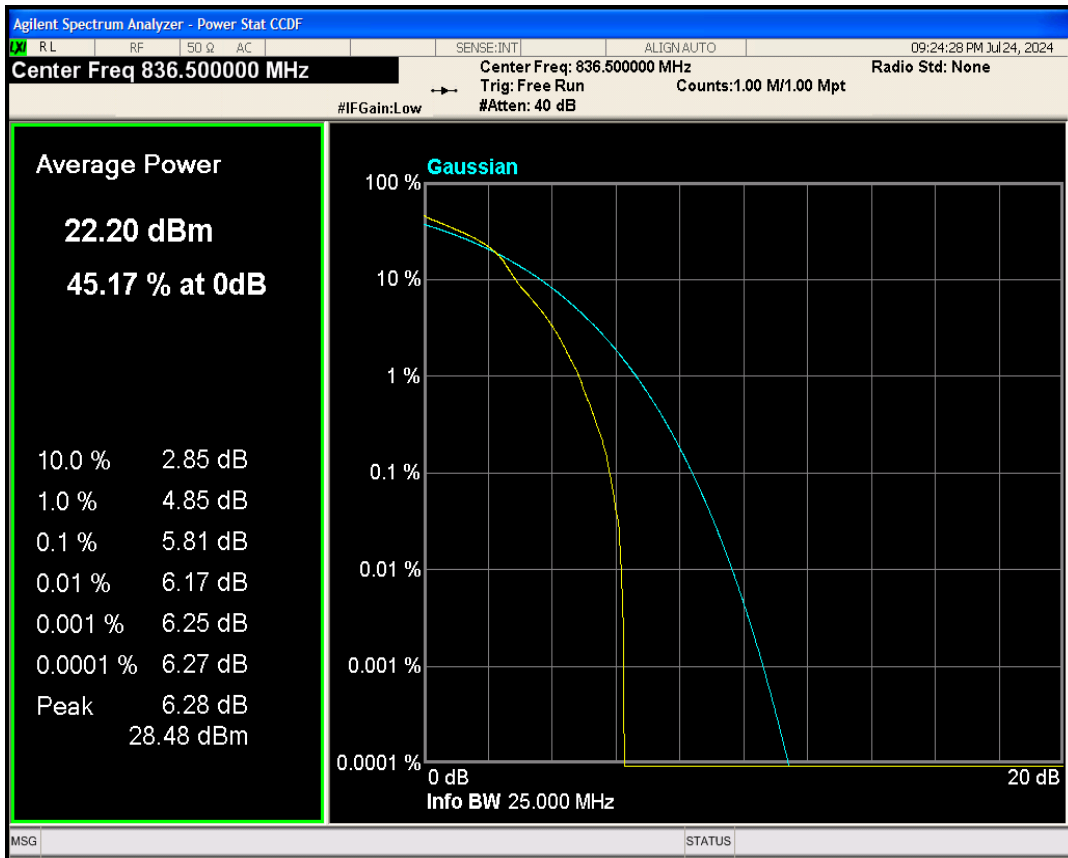
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



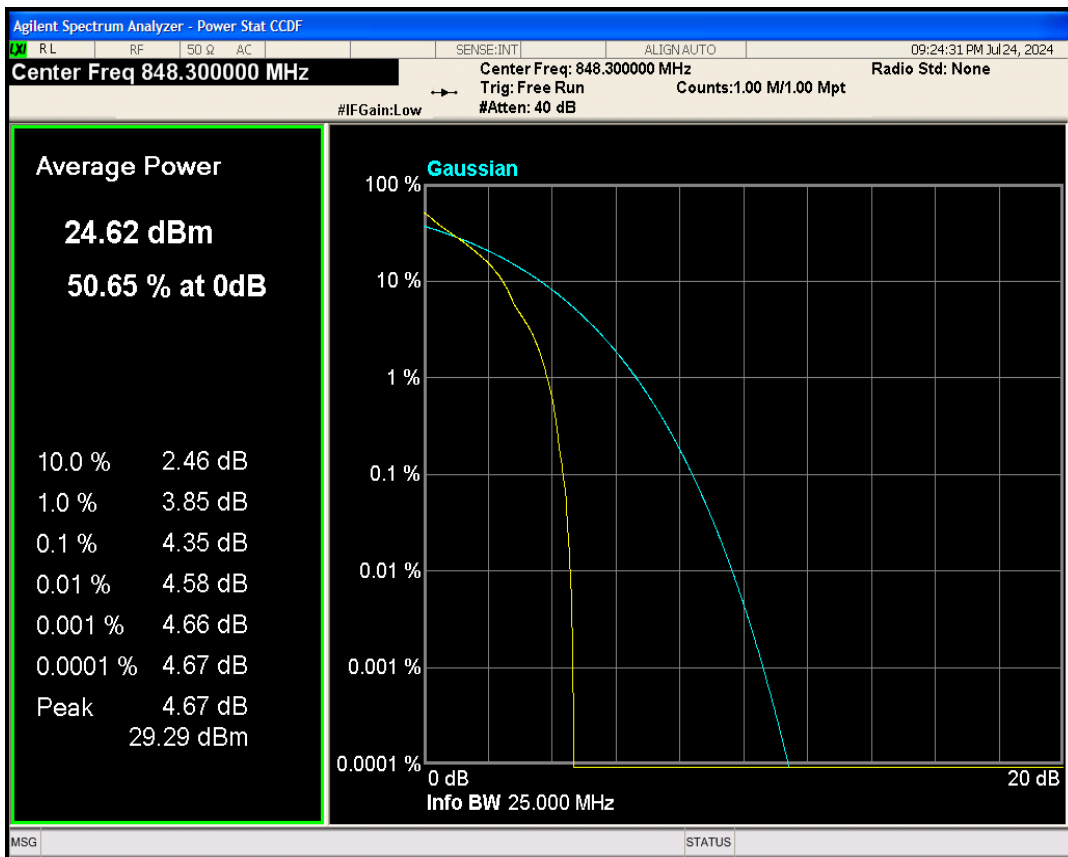
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



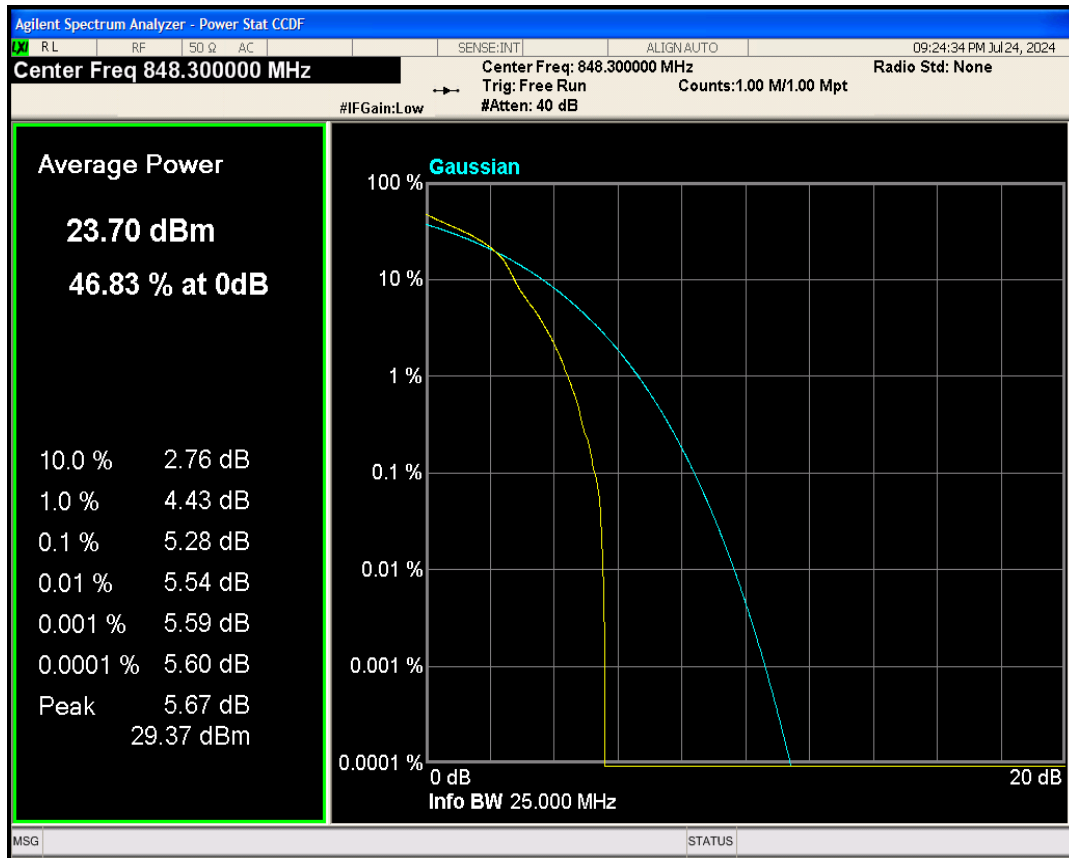
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



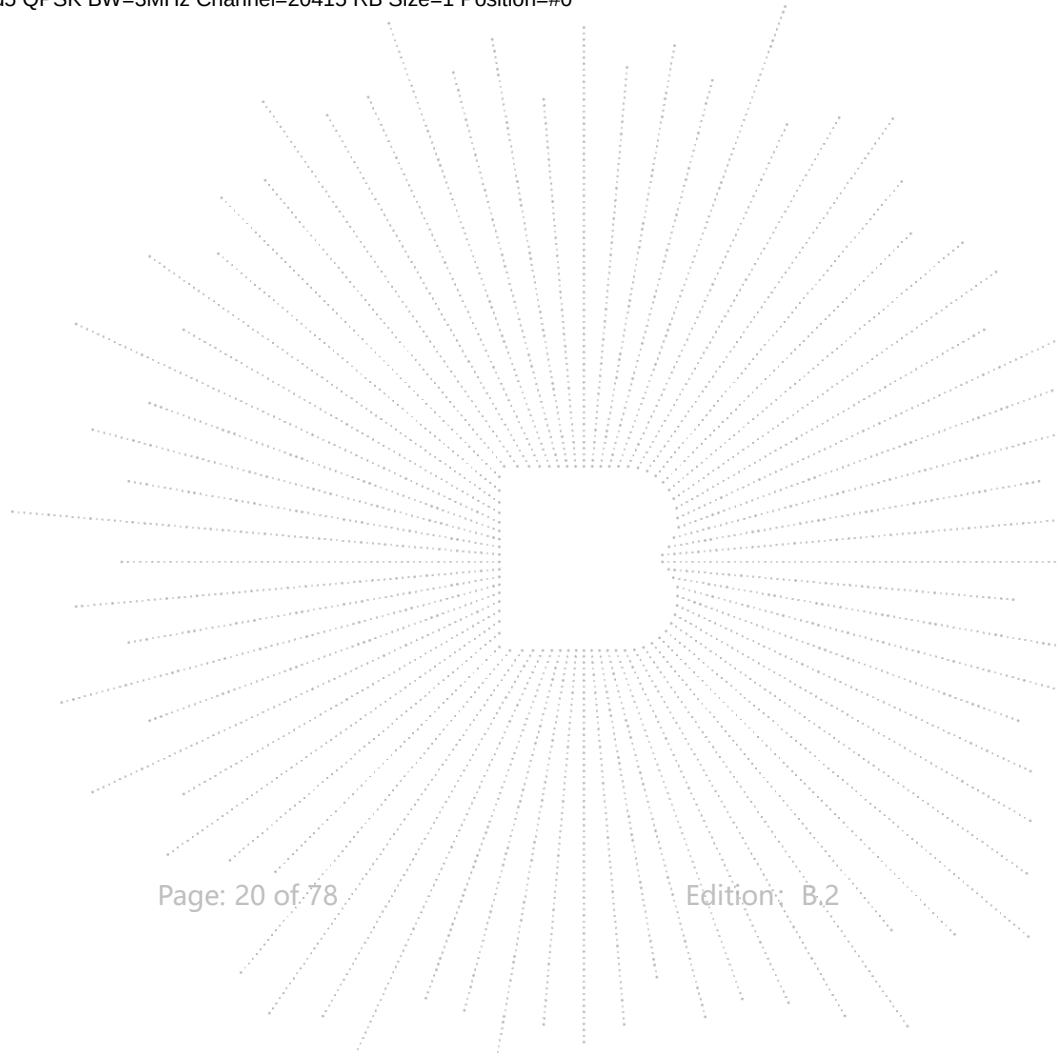
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0

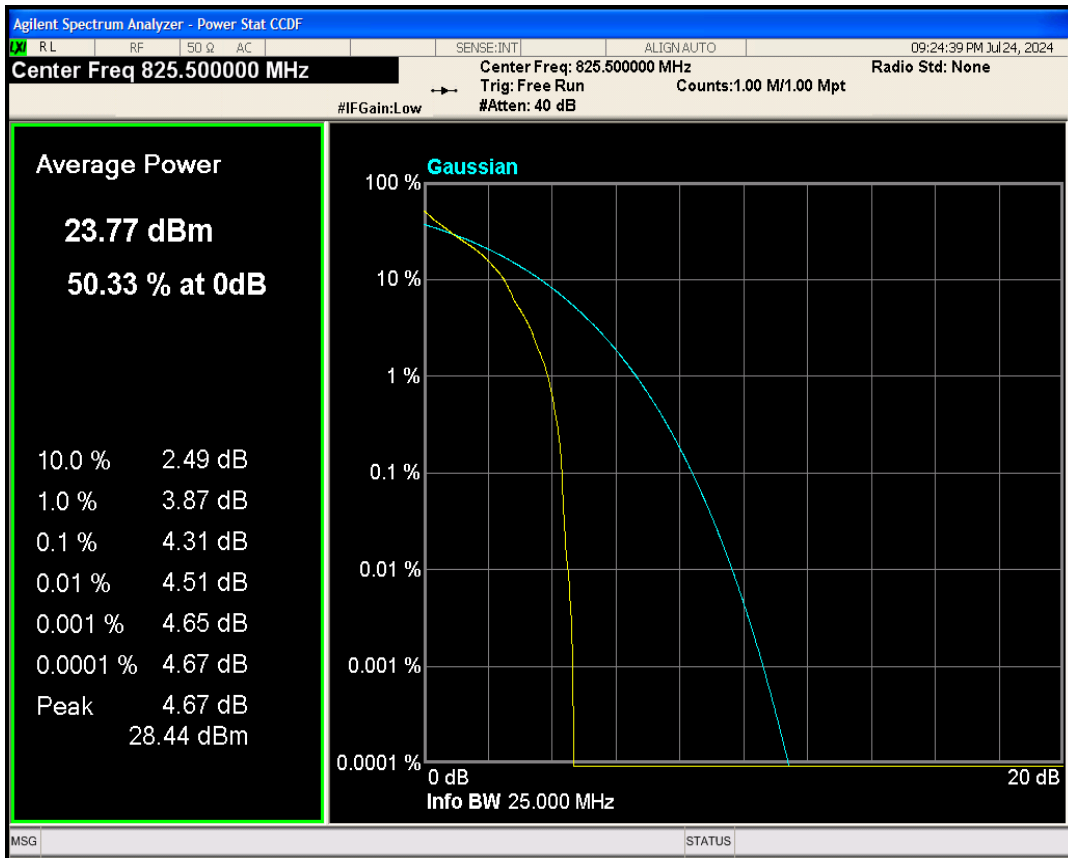


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0

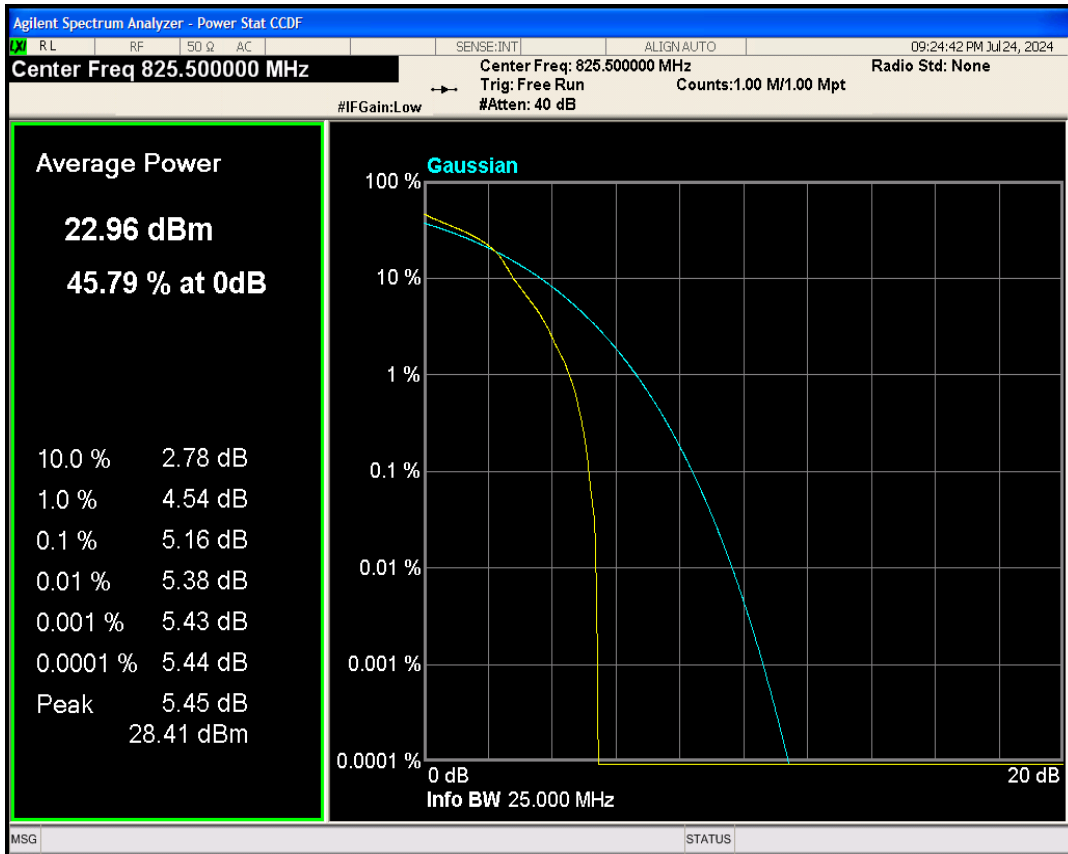


Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0

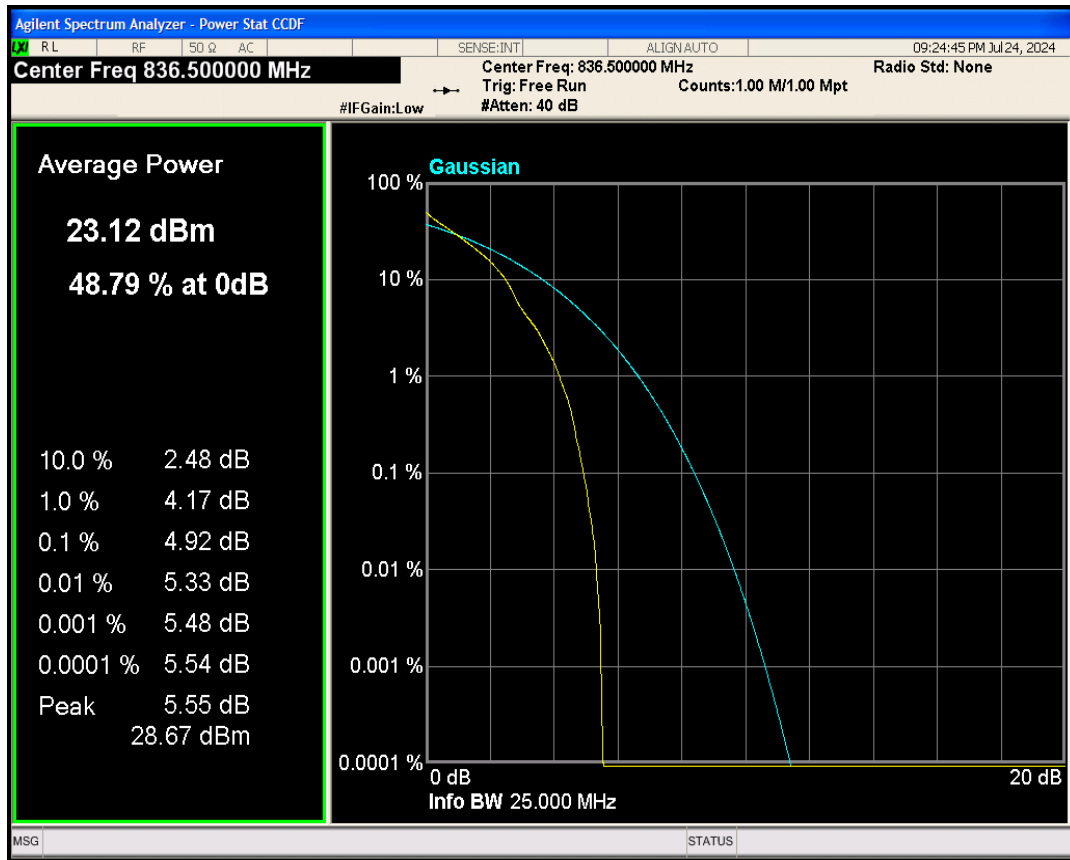




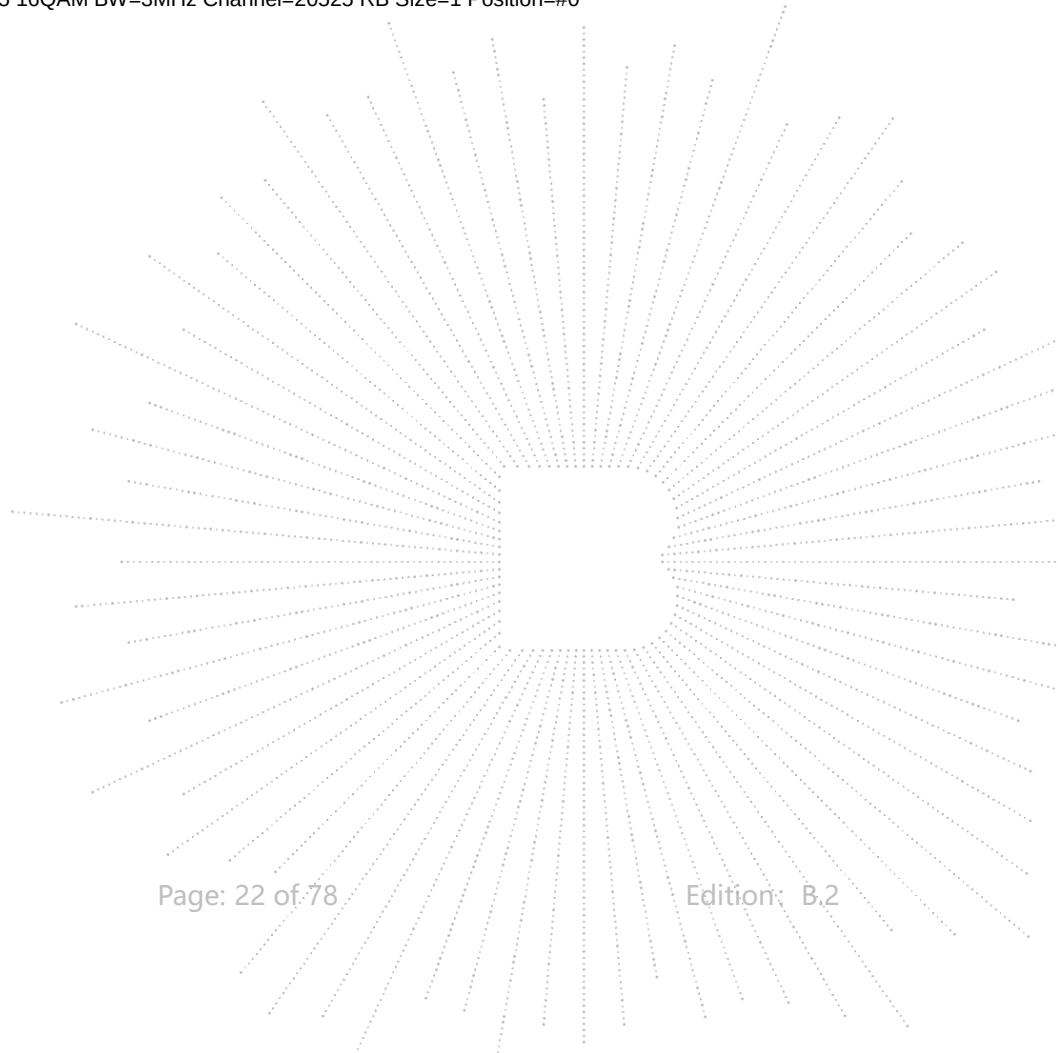
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

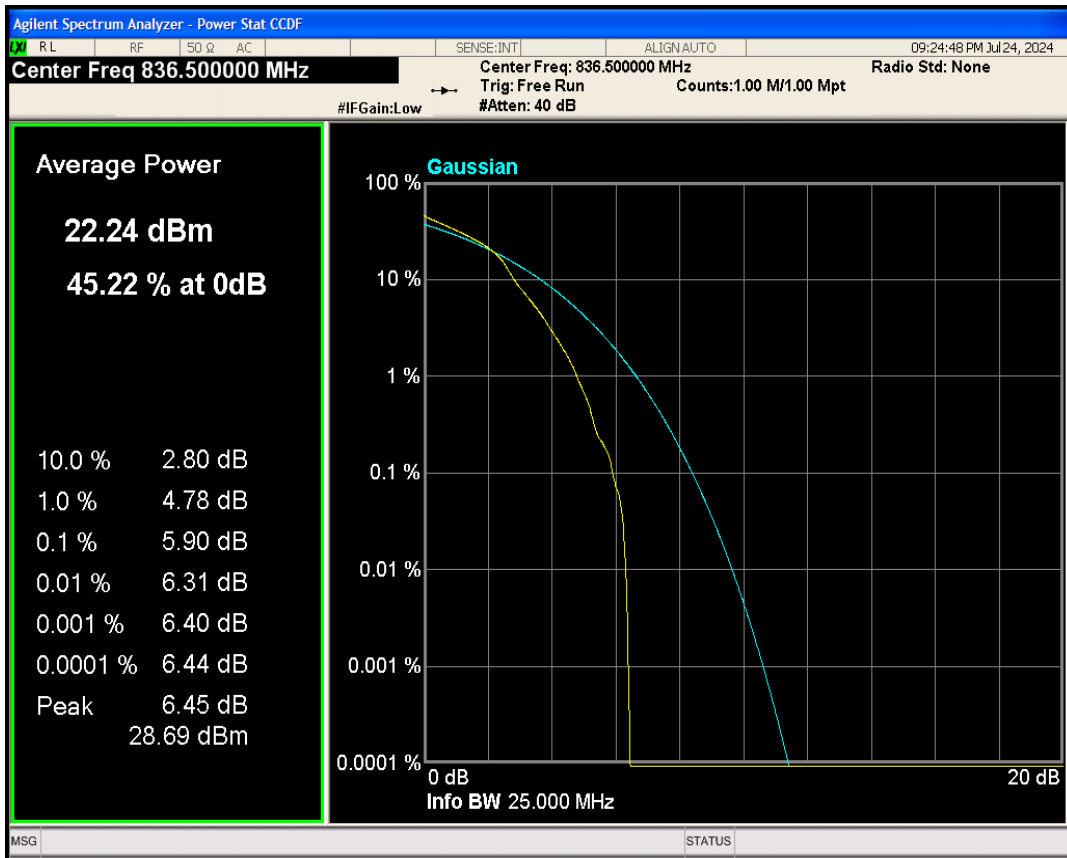


Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

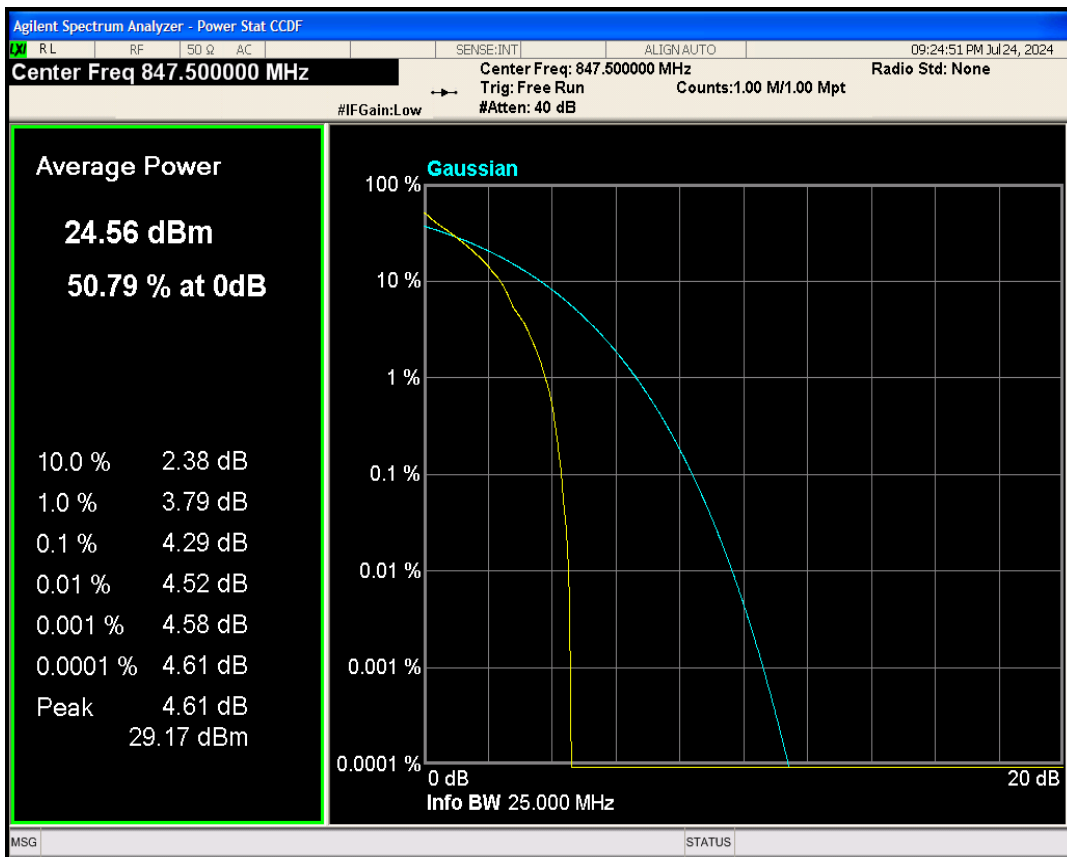


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



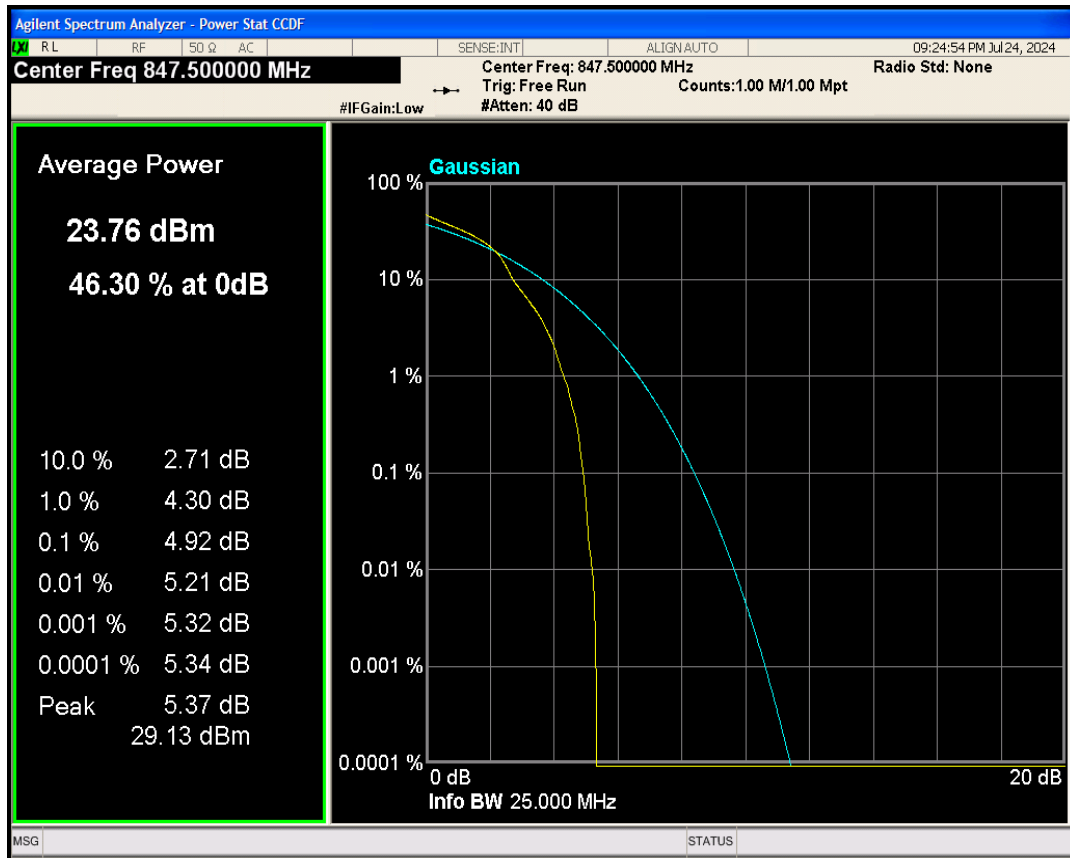


Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0

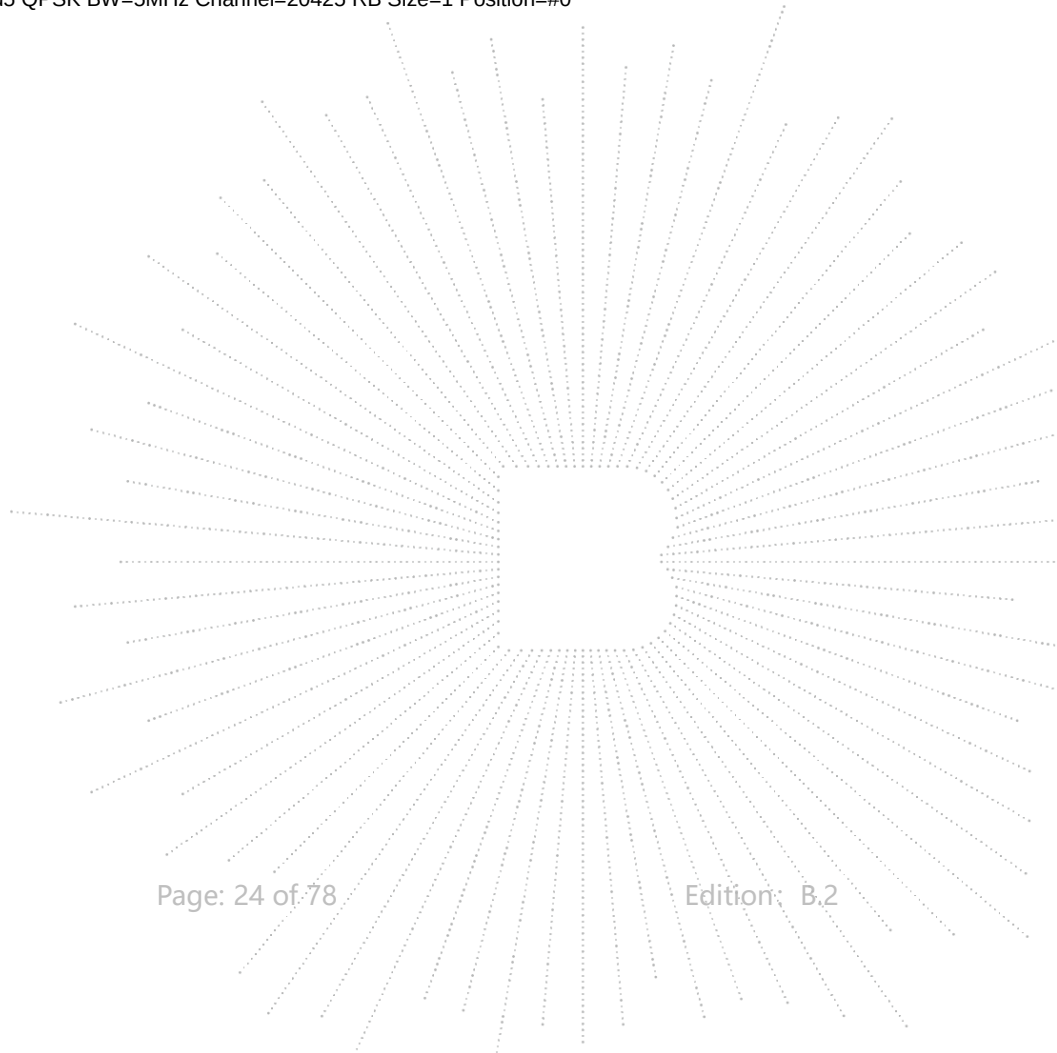


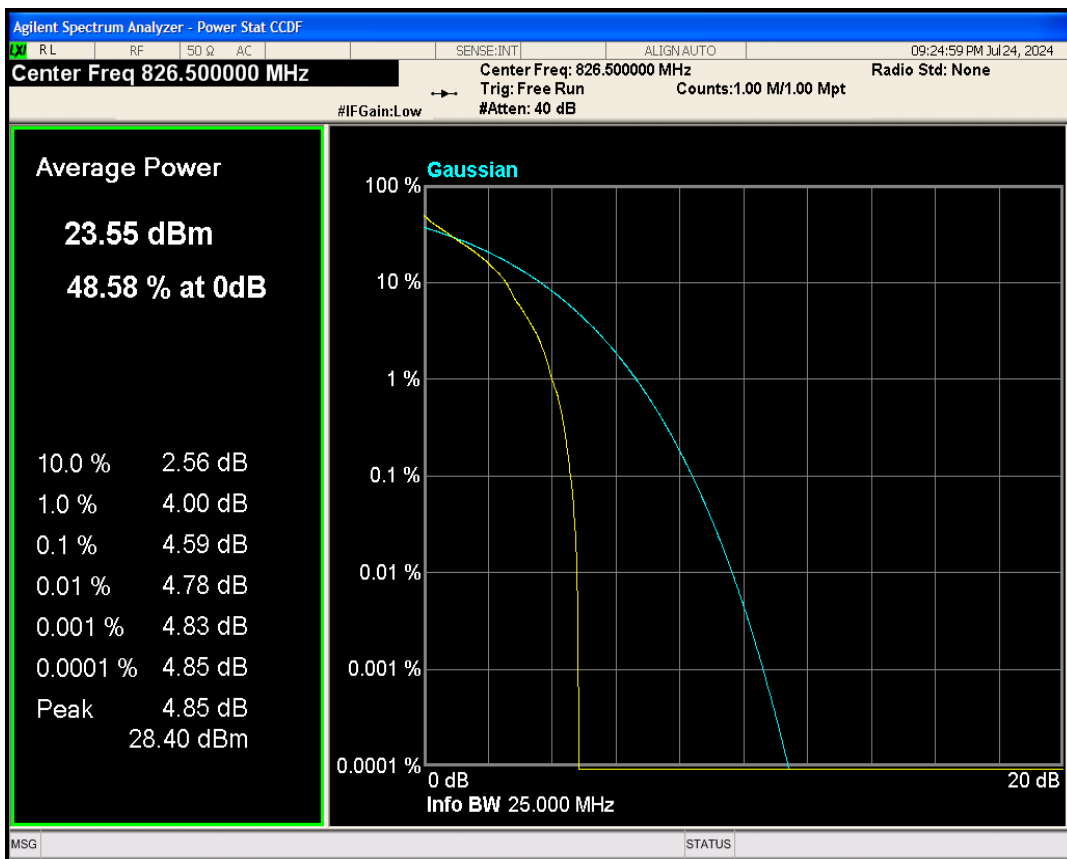


Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

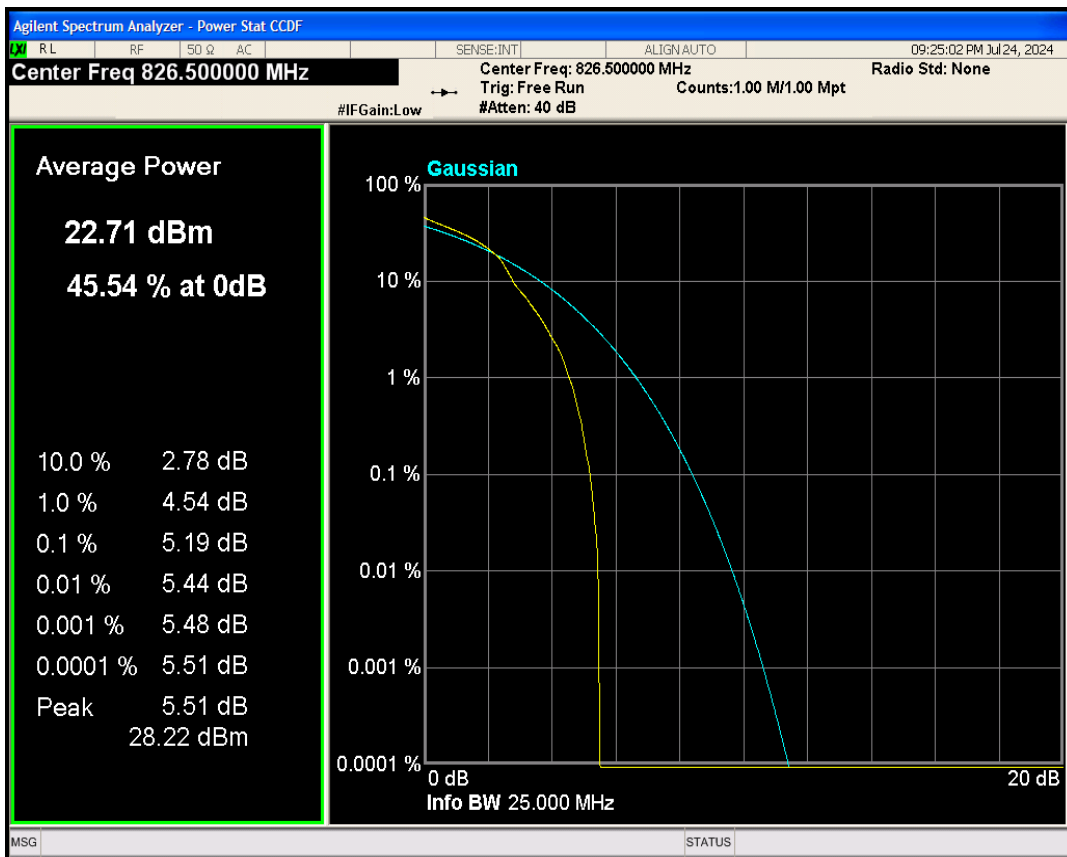


Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0

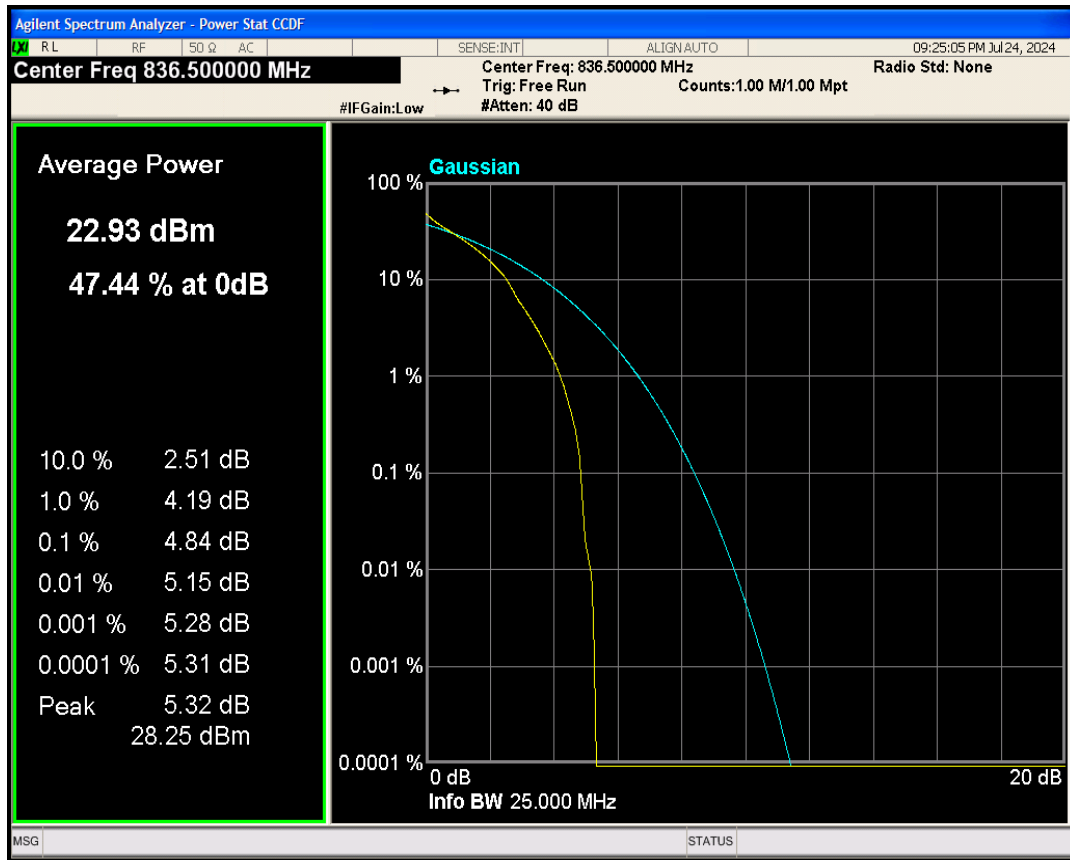




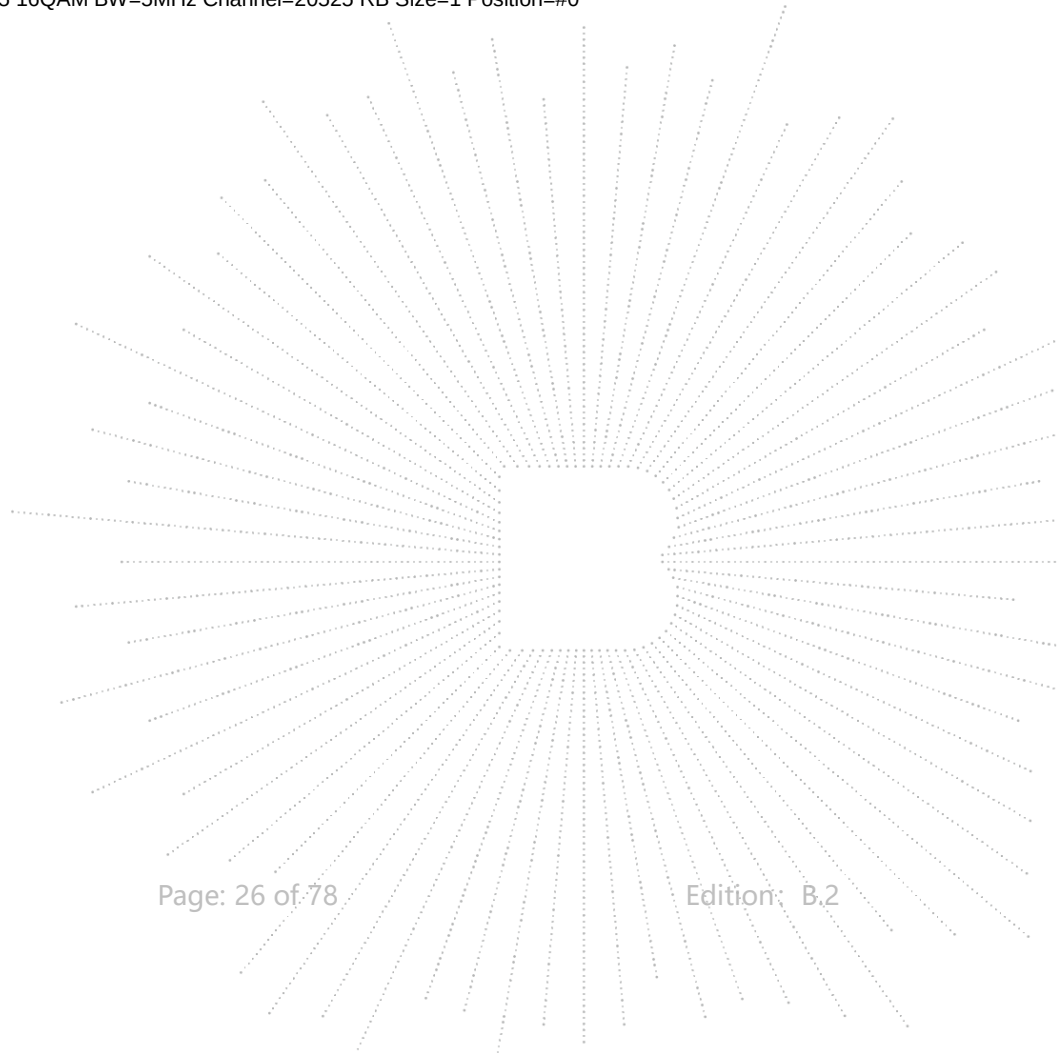
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

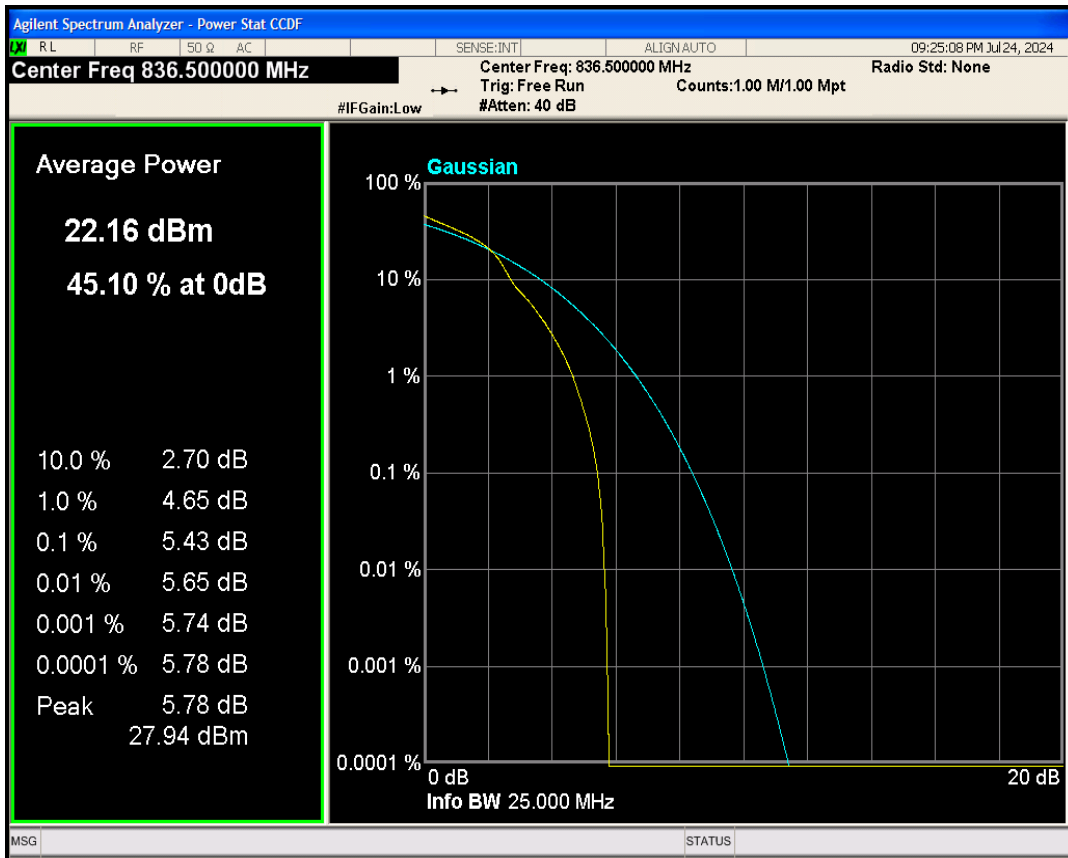


Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

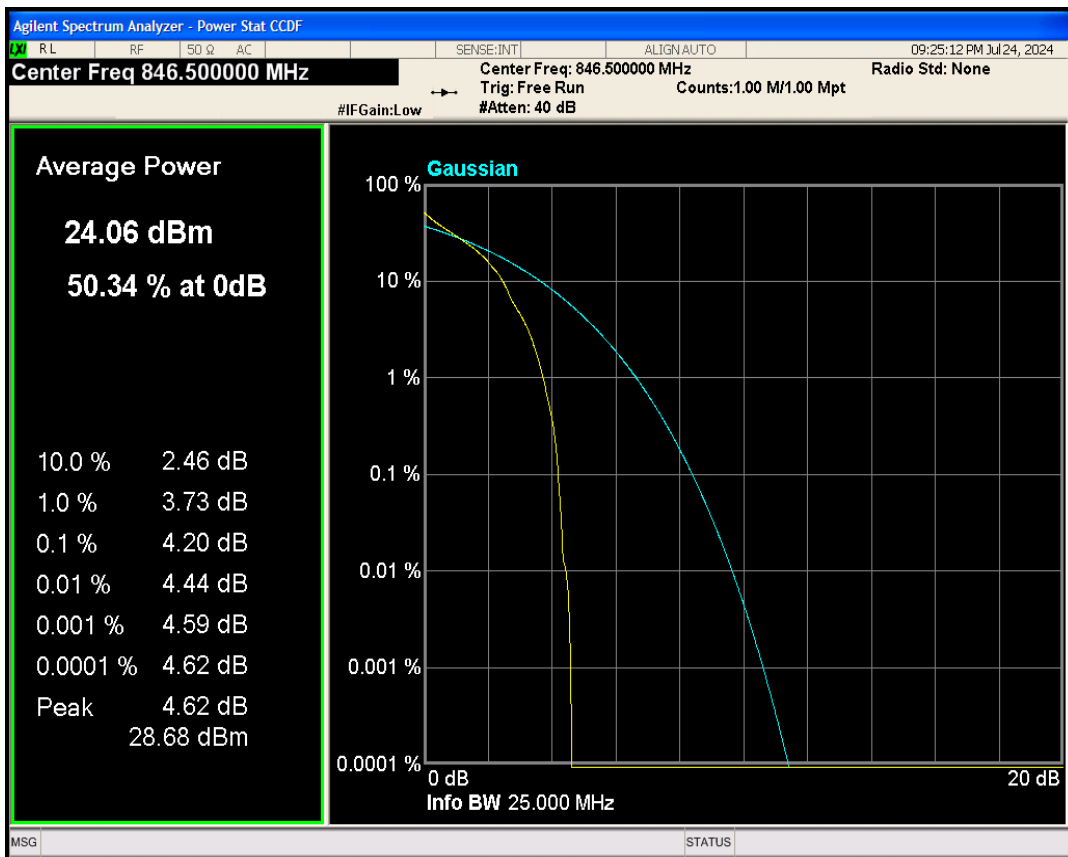


Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

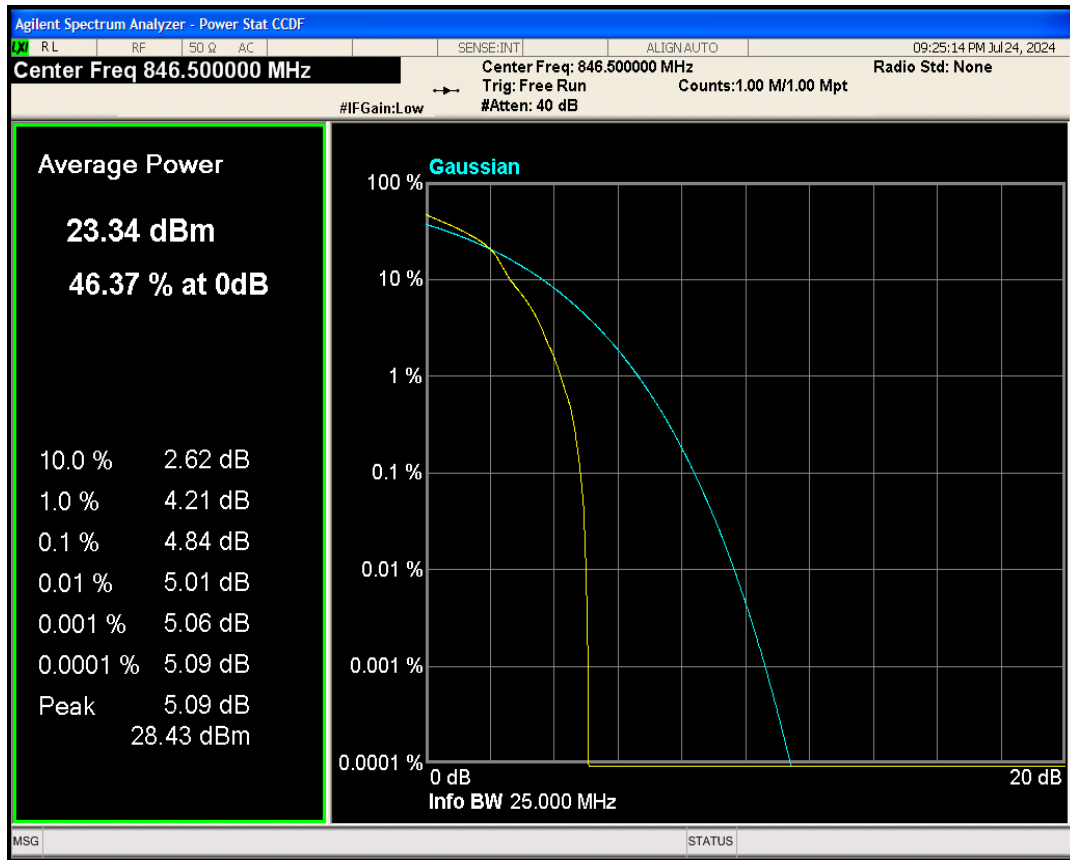




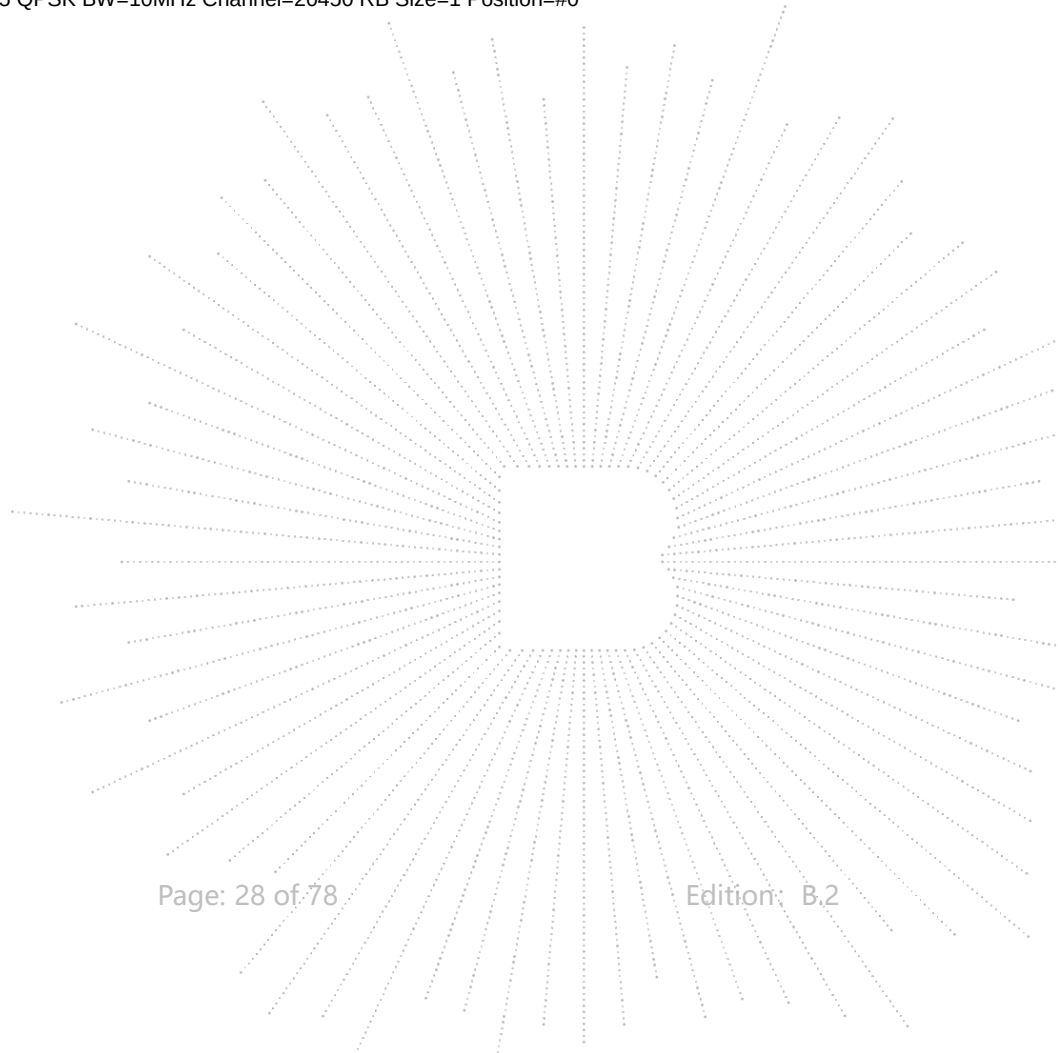
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0

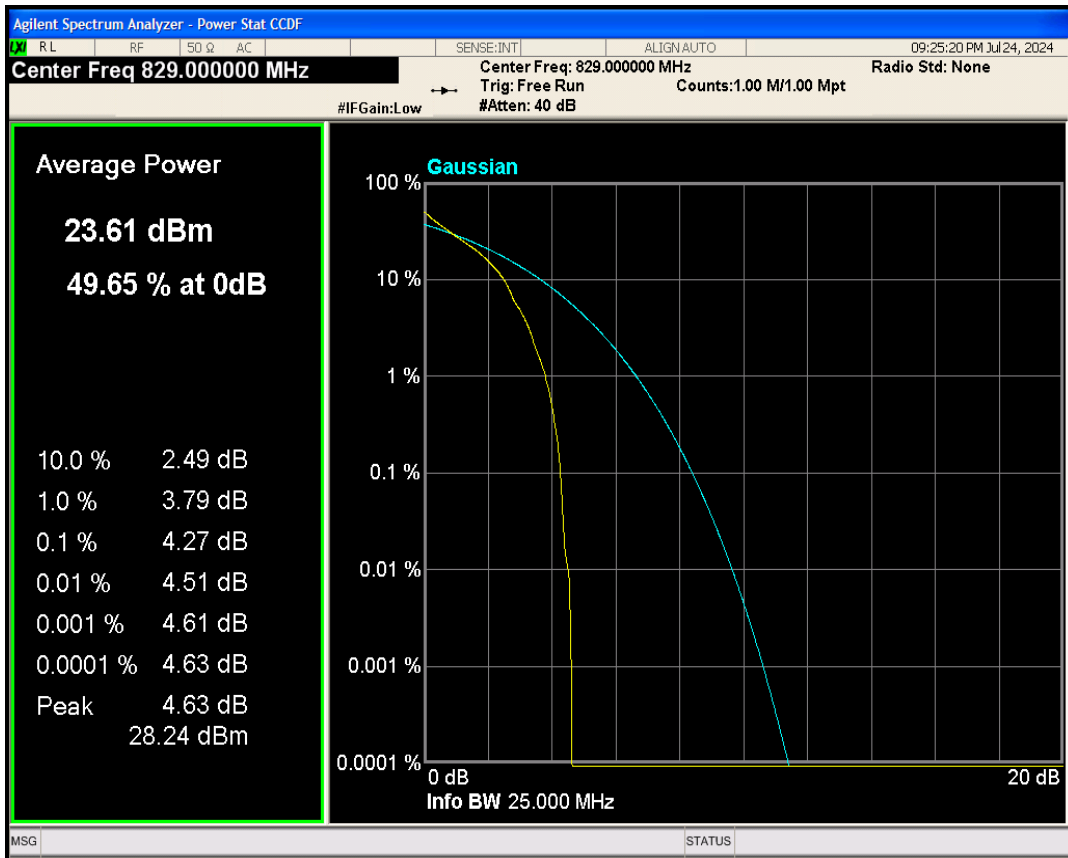


Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0

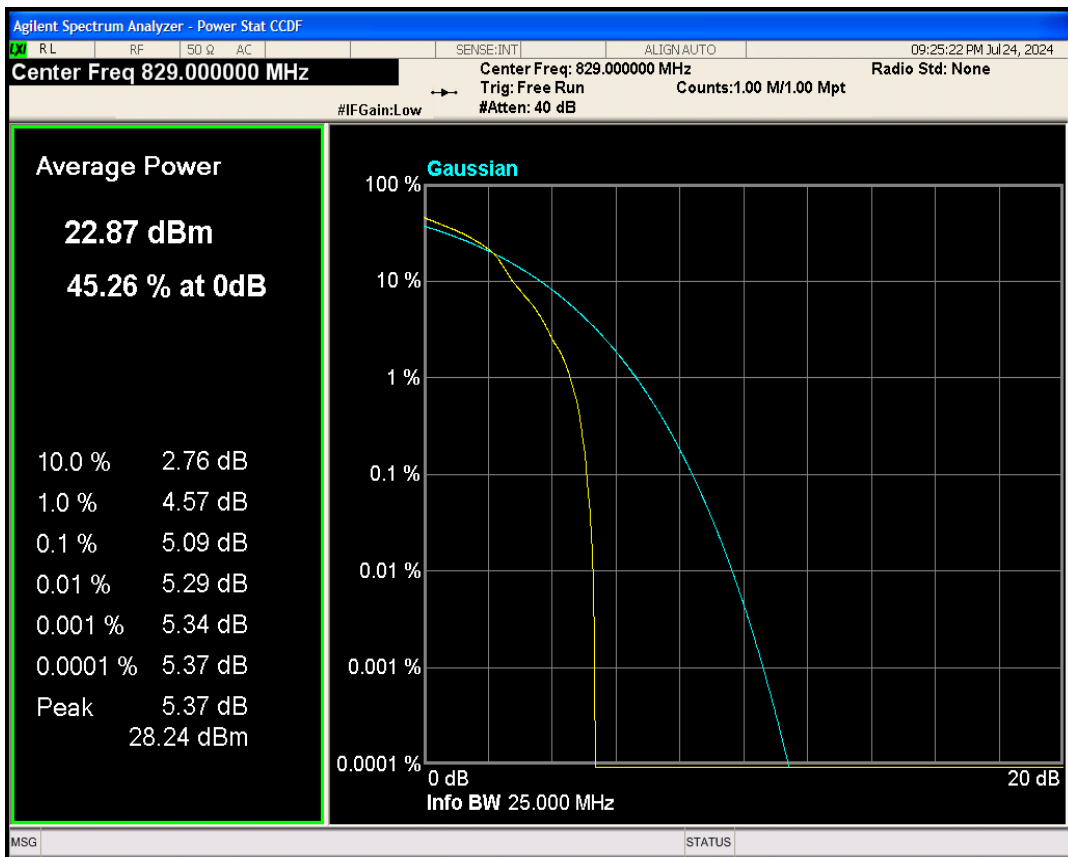


Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0

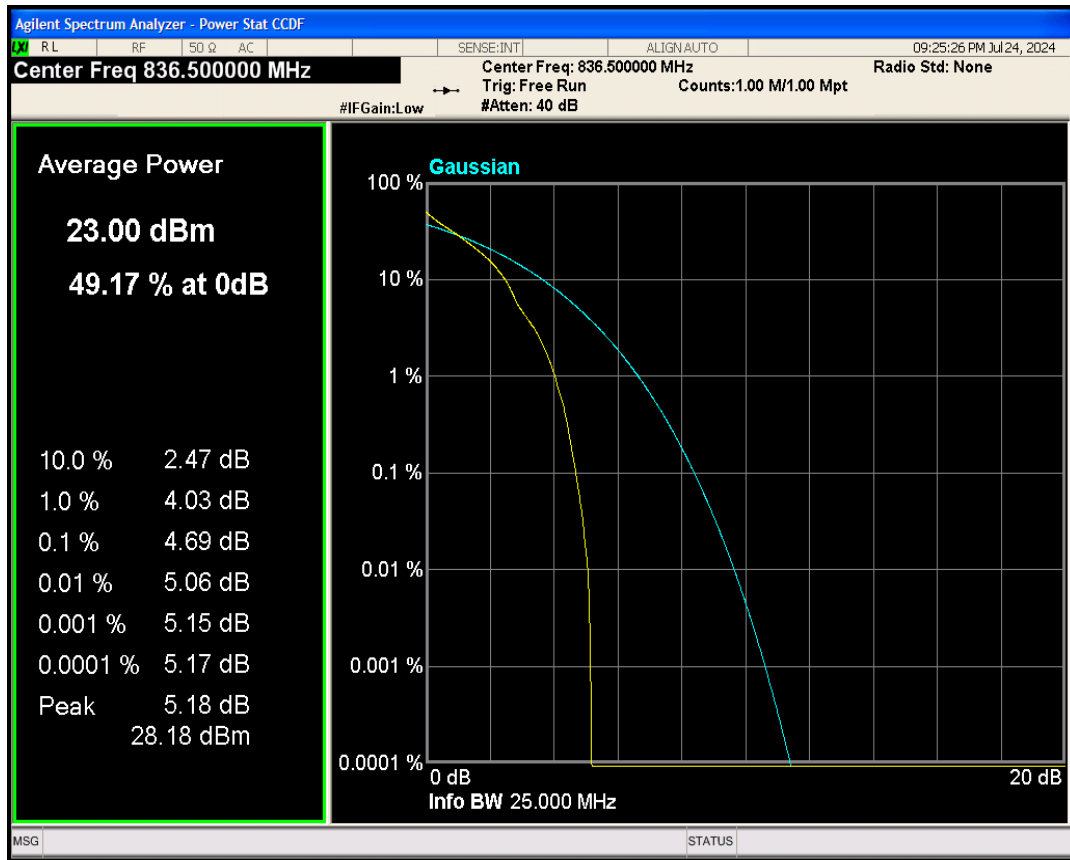




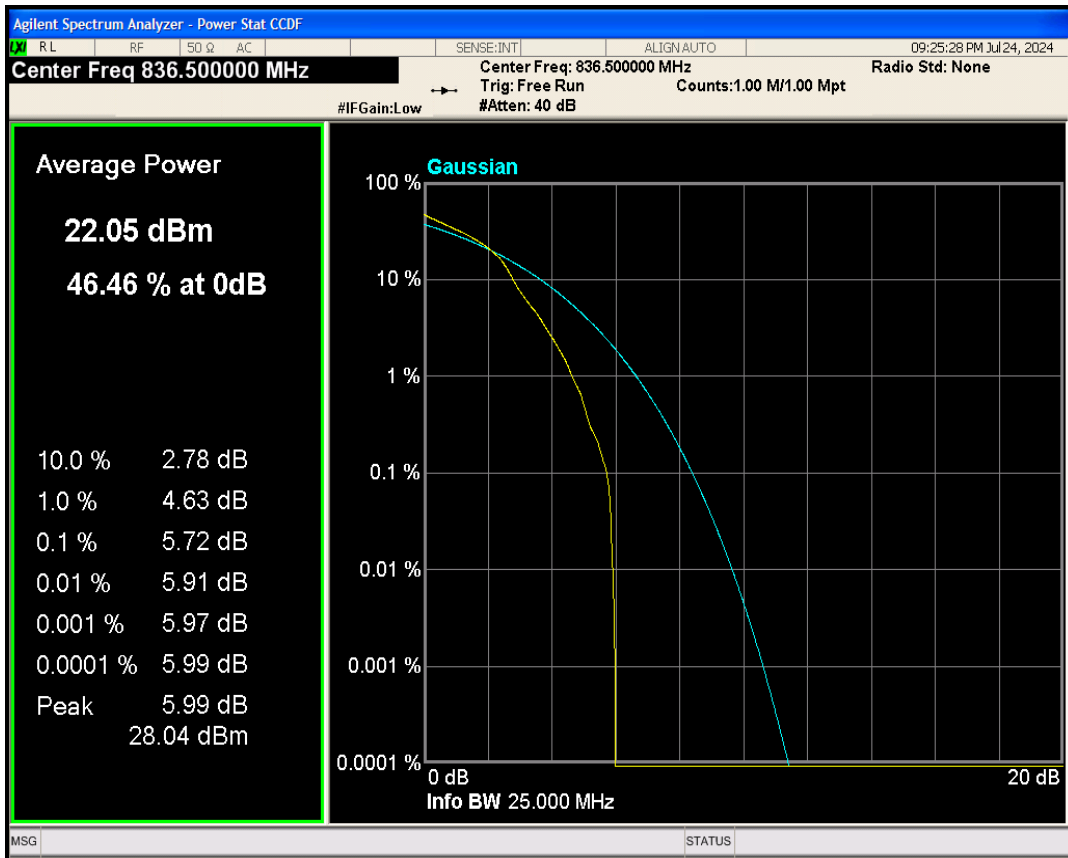
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



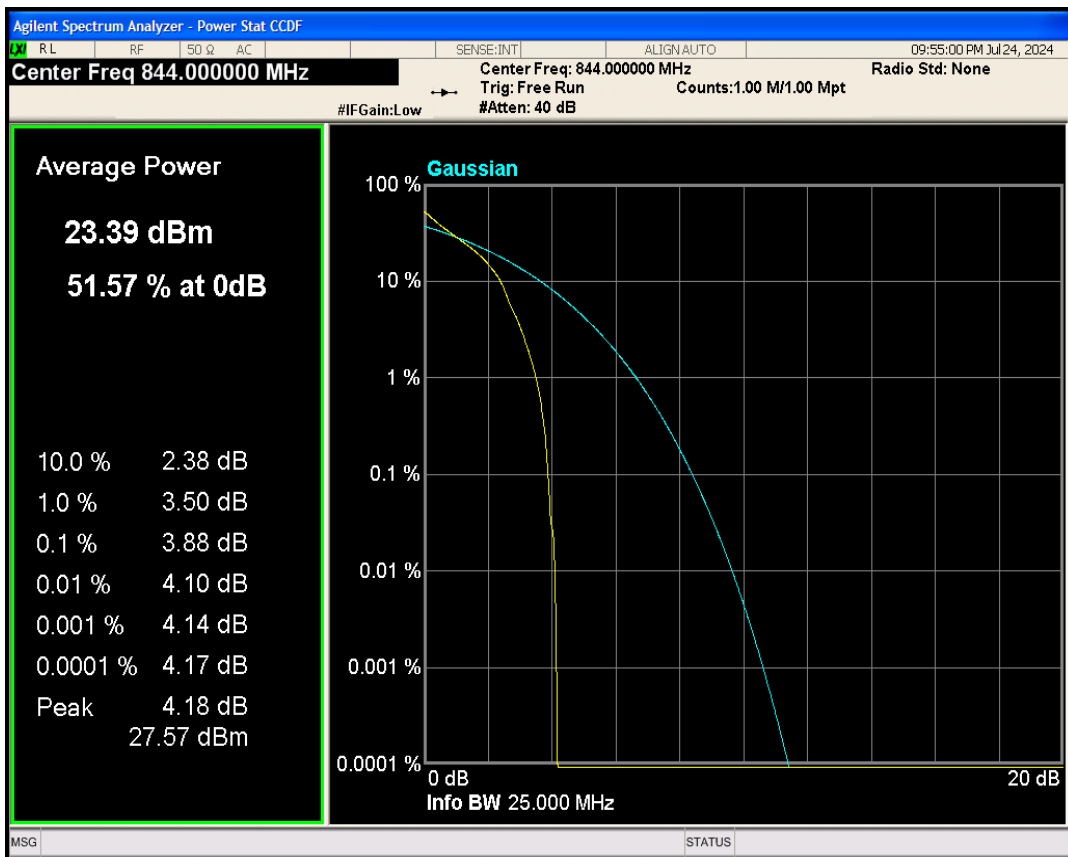
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



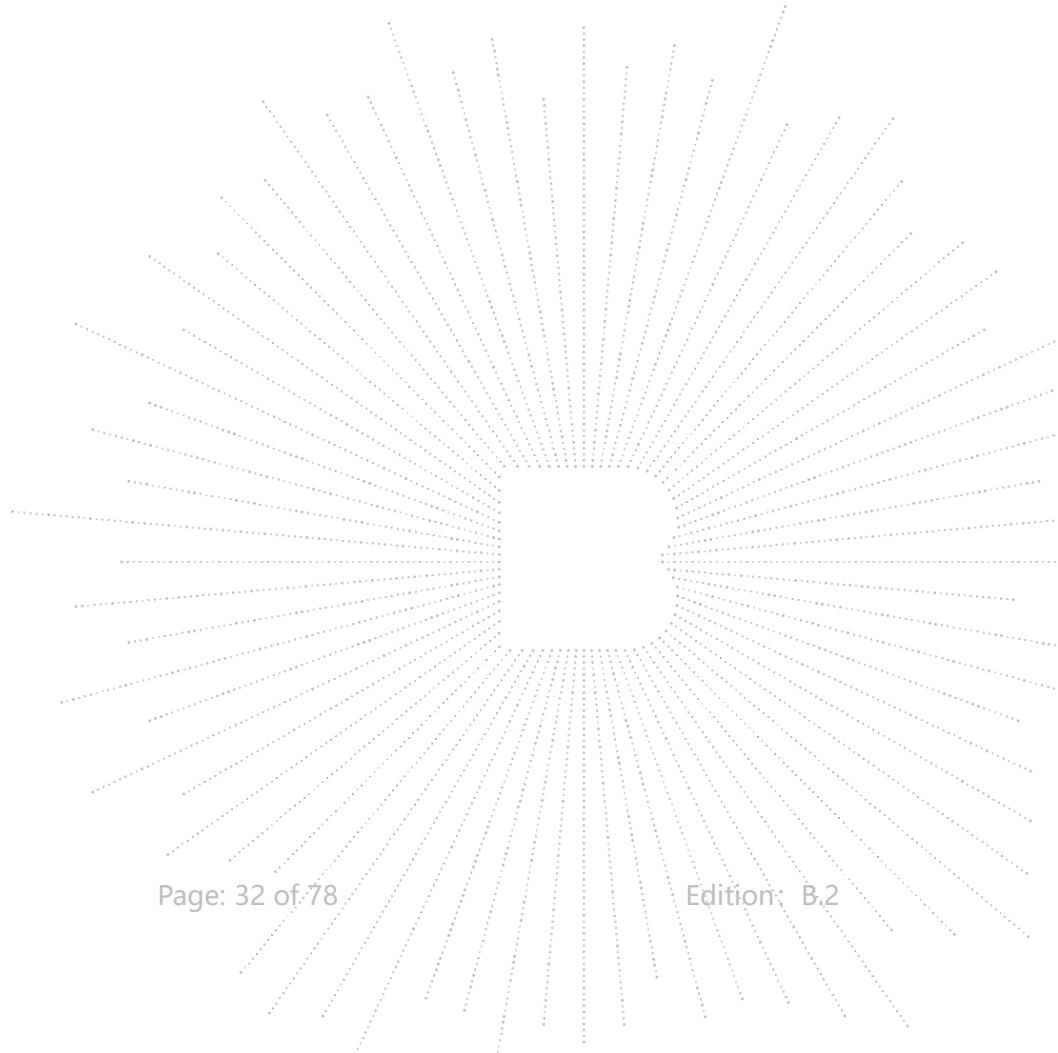
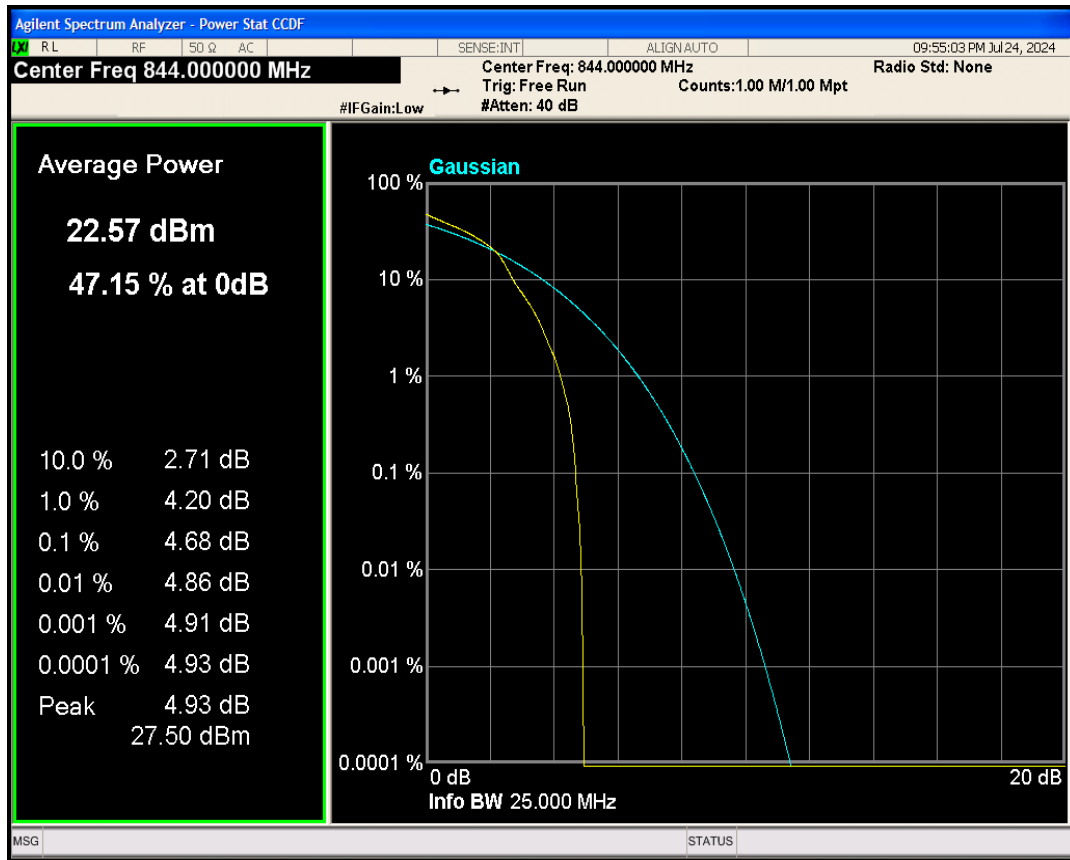
Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



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



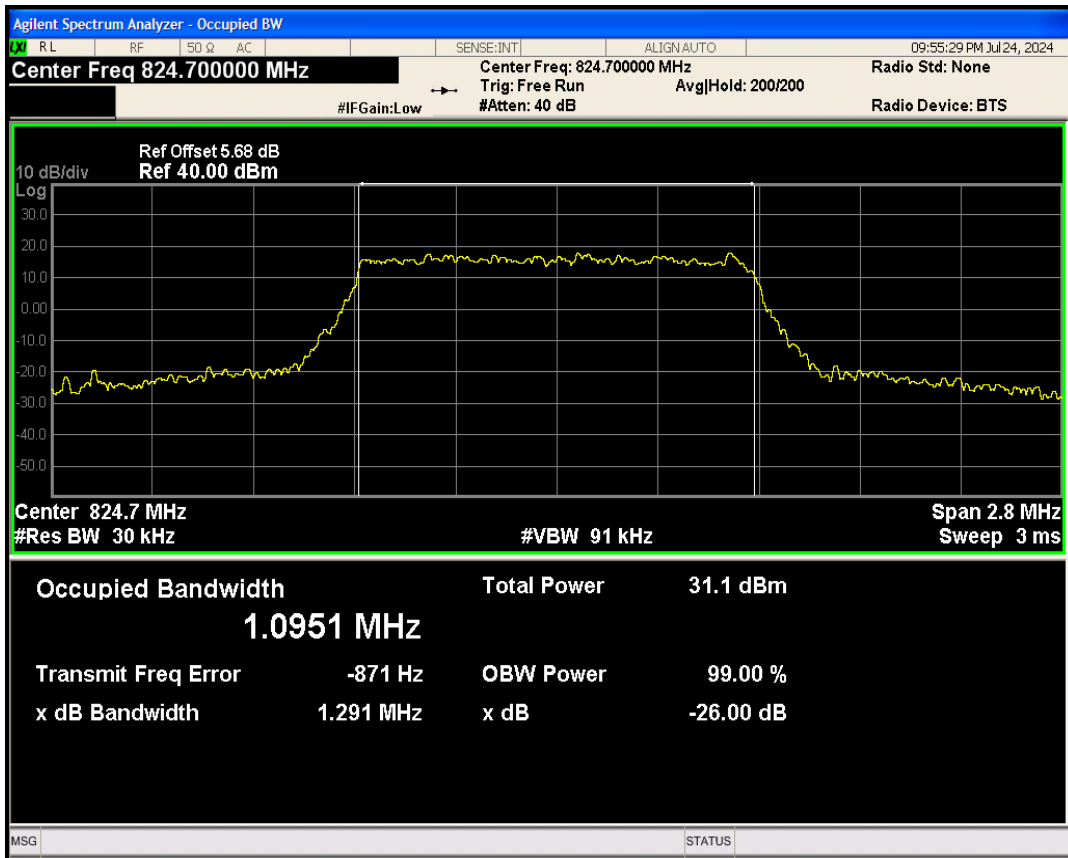
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0



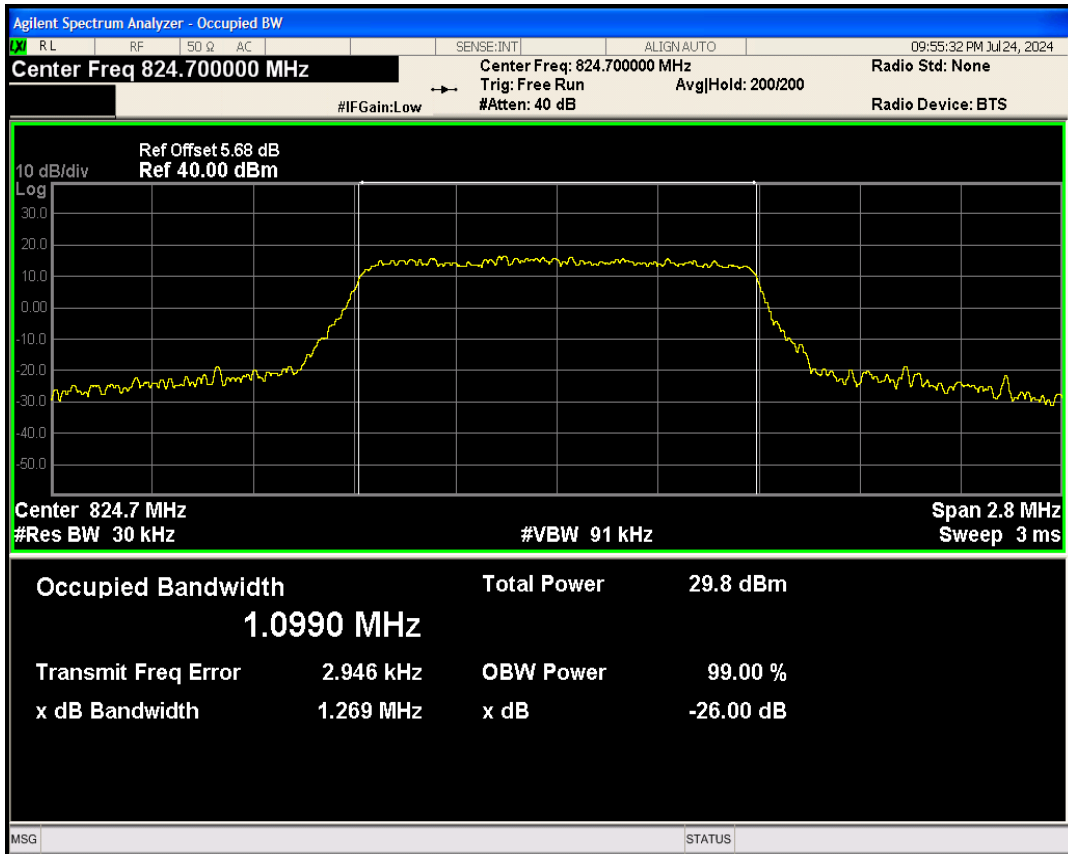
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.095	1.291	PASS
Band5	1.4	20407	6	#0	16QAM	1.099	1.269	PASS
Band5	1.4	20525	6	#0	QPSK	1.094	1.292	PASS
Band5	1.4	20525	6	#0	16QAM	1.092	1.299	PASS
Band5	1.4	20643	6	#0	QPSK	1.095	1.289	PASS
Band5	1.4	20643	6	#0	16QAM	1.088	1.280	PASS
Band5	3	20415	15	#0	QPSK	2.691	2.917	PASS
Band5	3	20415	15	#0	16QAM	2.686	2.947	PASS
Band5	3	20525	15	#0	QPSK	2.690	2.899	PASS
Band5	3	20525	15	#0	16QAM	2.688	2.919	PASS
Band5	3	20635	15	#0	QPSK	2.695	2.927	PASS
Band5	3	20635	15	#0	16QAM	2.686	2.920	PASS
Band5	5	20425	25	#0	QPSK	4.502	4.893	PASS
Band5	5	20425	25	#0	16QAM	4.495	4.888	PASS
Band5	5	20525	25	#0	QPSK	4.505	4.860	PASS
Band5	5	20525	25	#0	16QAM	4.491	4.919	PASS
Band5	5	20625	25	#0	QPSK	4.491	4.851	PASS
Band5	5	20625	25	#0	16QAM	4.505	4.909	PASS
Band5	10	20450	50	#0	QPSK	8.990	9.813	PASS
Band5	10	20450	50	#0	16QAM	9.006	9.703	PASS
Band5	10	20525	50	#0	QPSK	8.960	9.617	PASS
Band5	10	20525	50	#0	16QAM	8.951	9.643	PASS
Band5	10	20600	50	#0	QPSK	9.039	9.917	PASS
Band5	10	20600	50	#0	16QAM	9.048	9.710	PASS

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

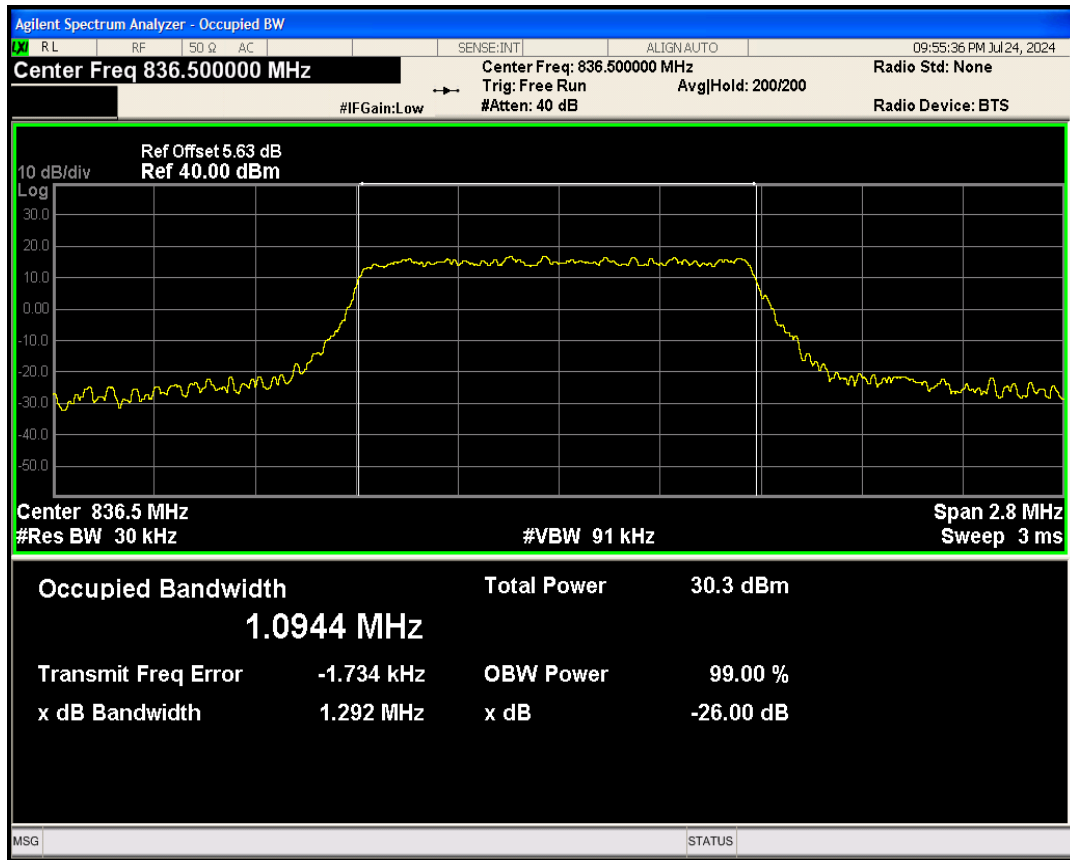


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

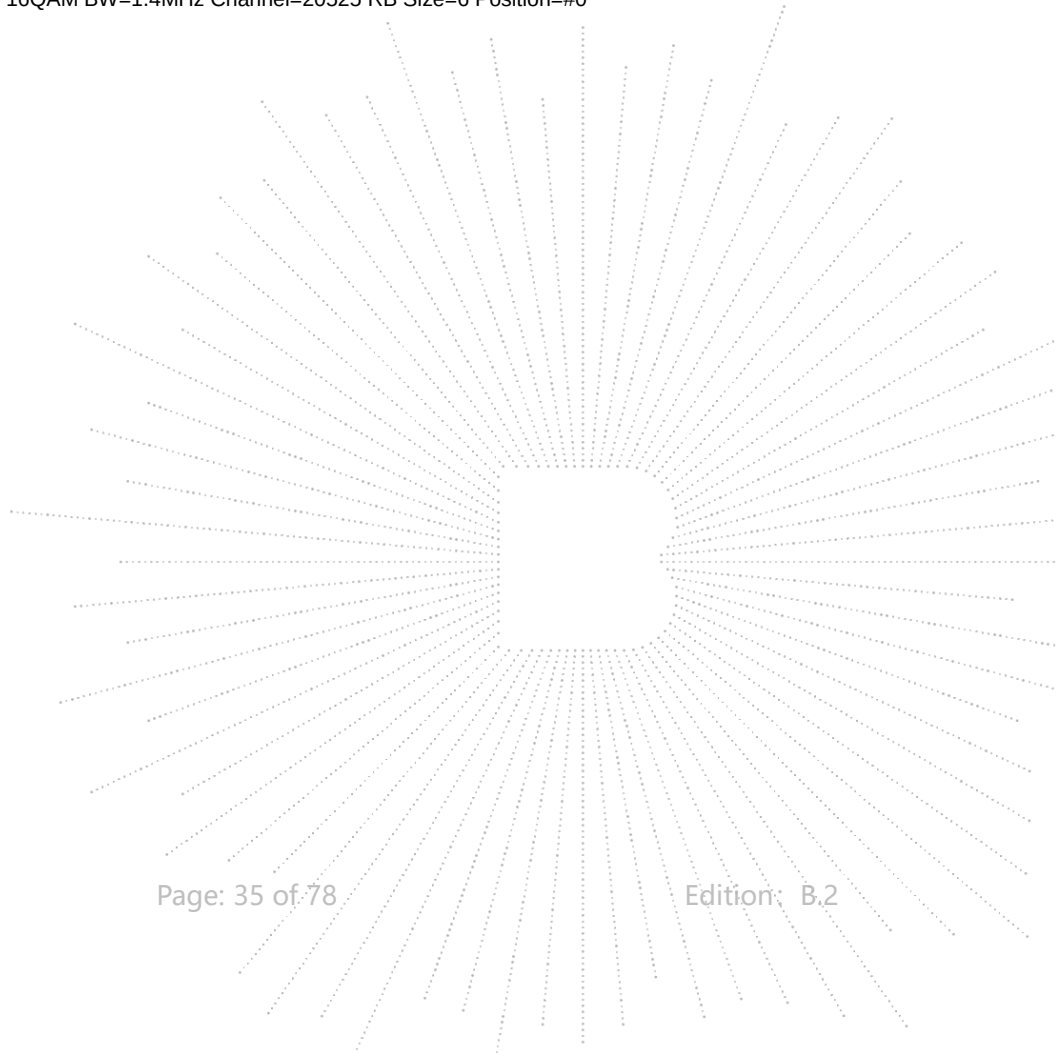


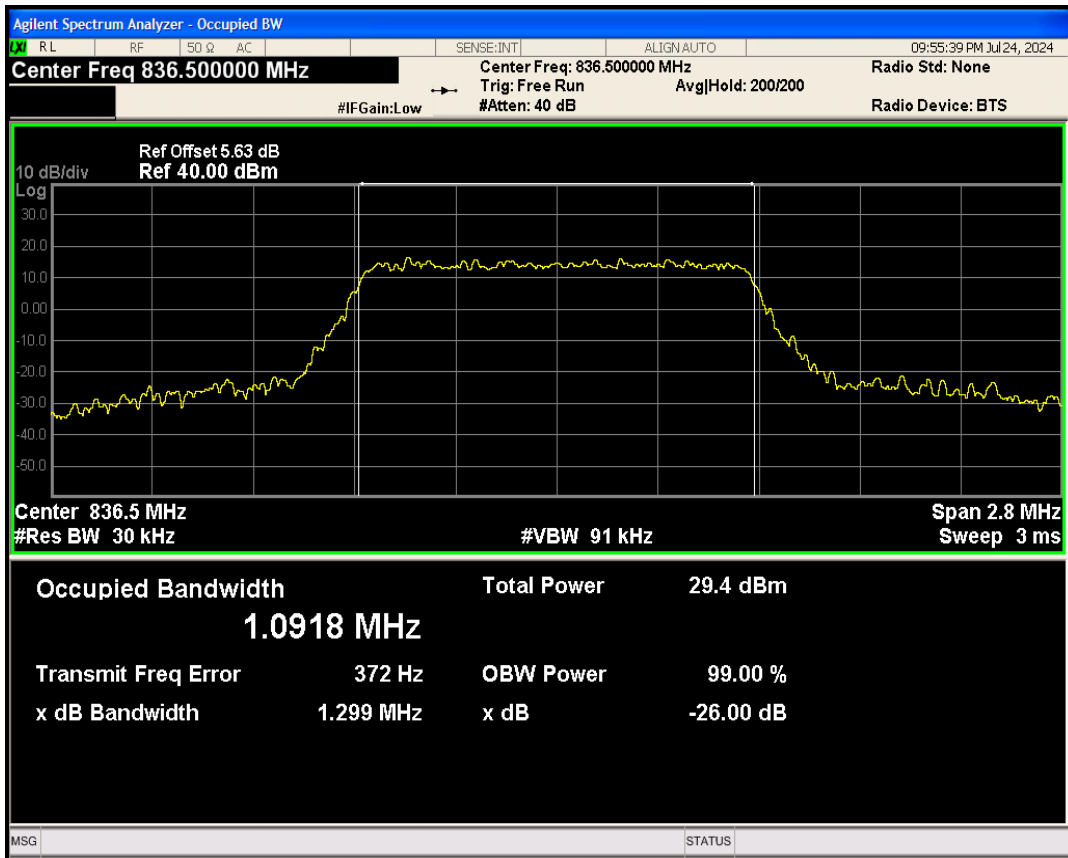


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

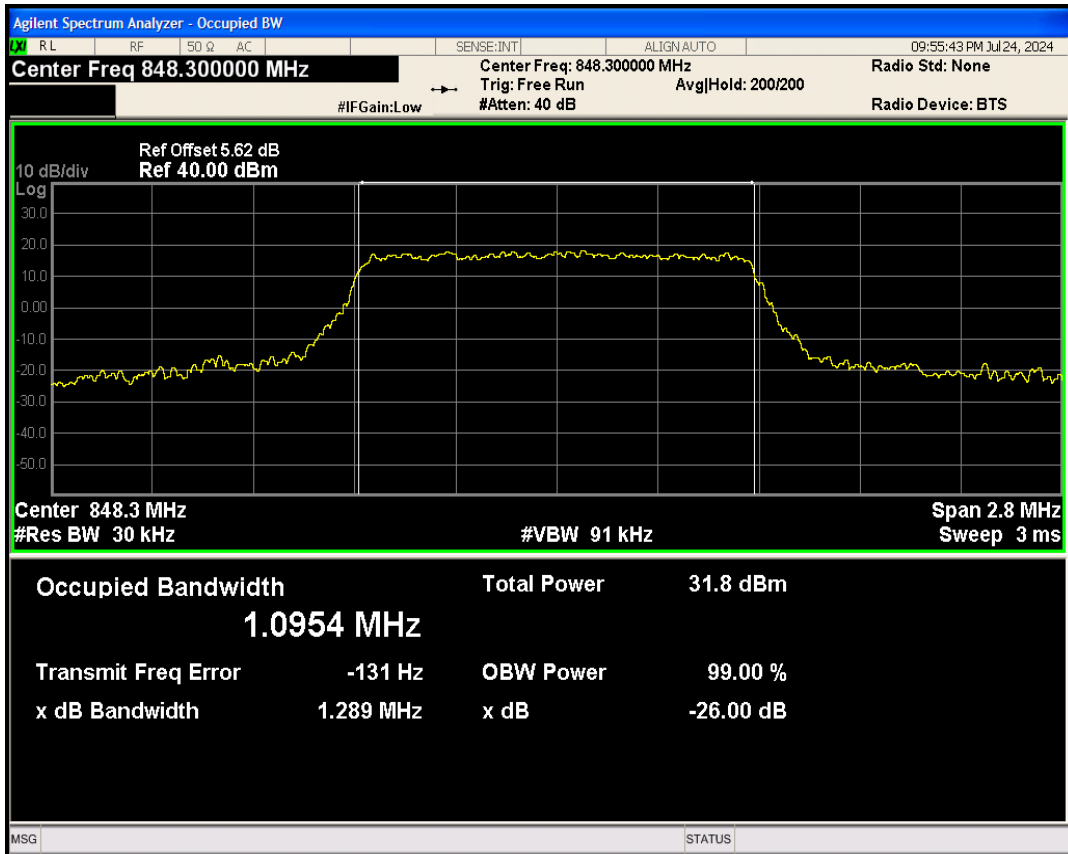


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

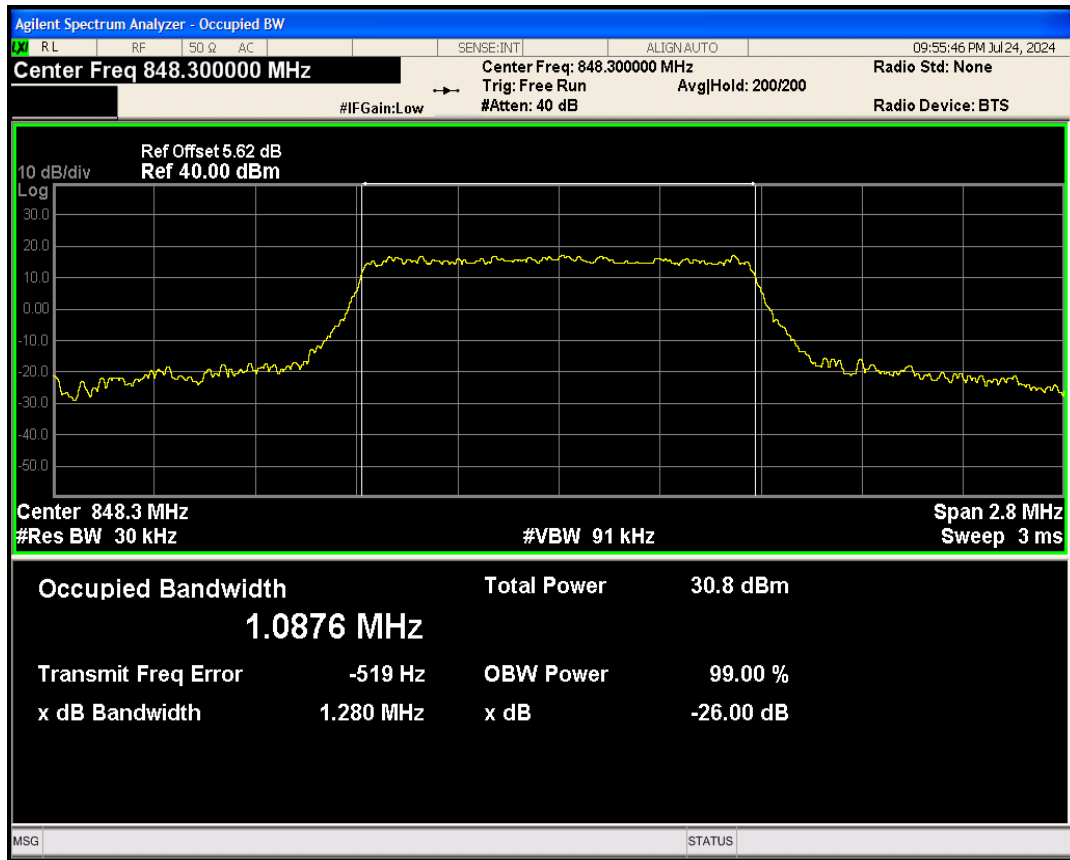




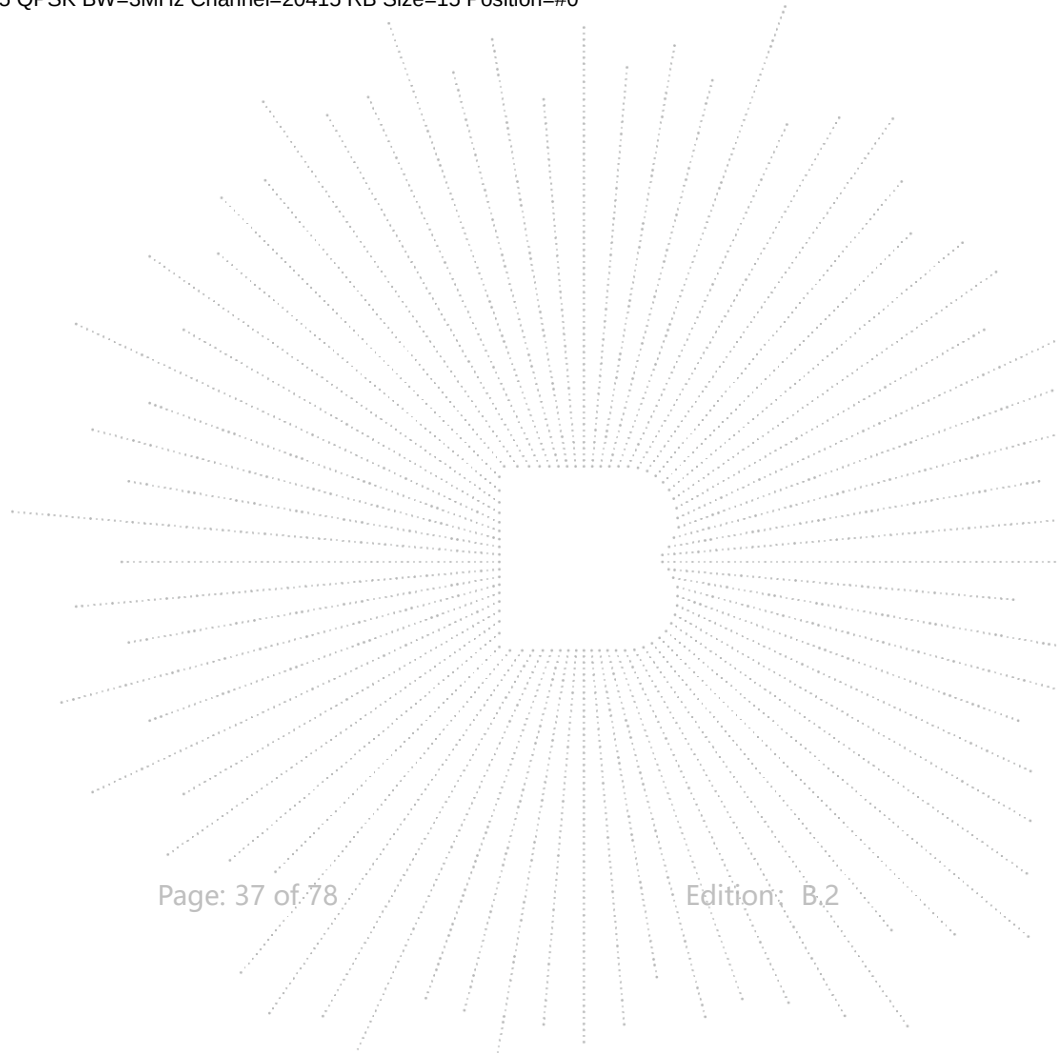
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

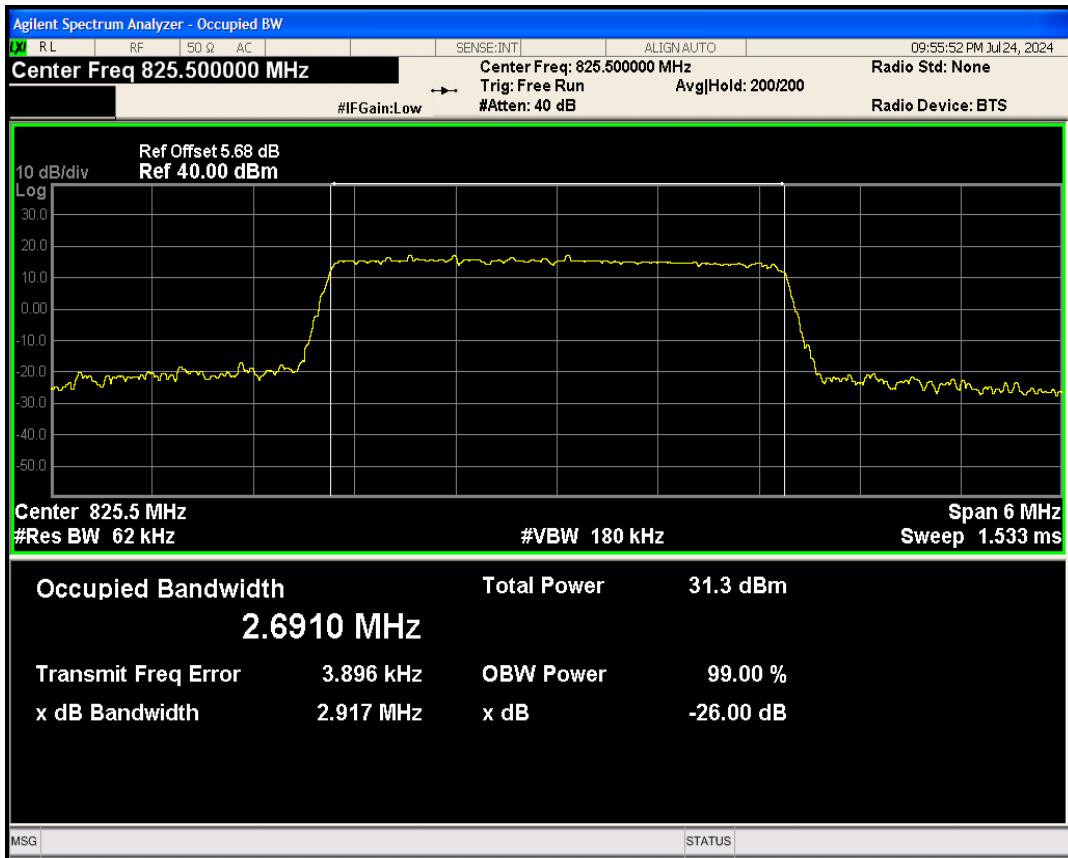


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

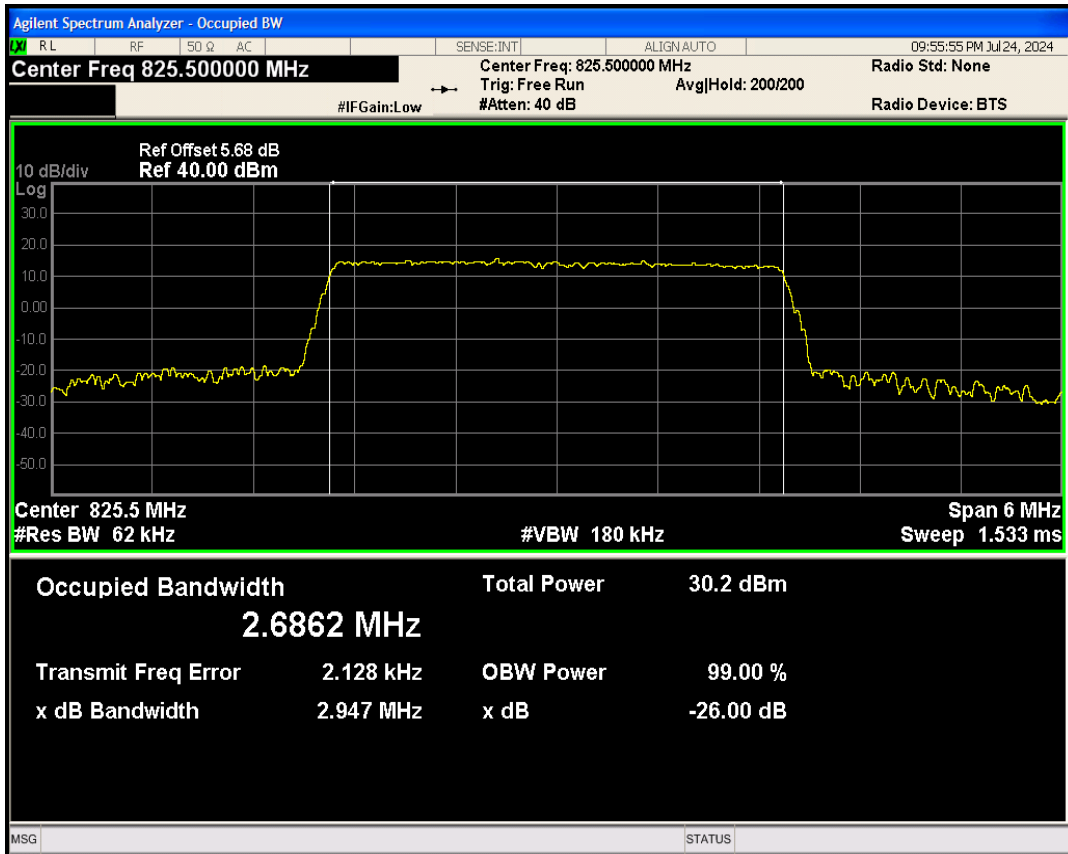


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



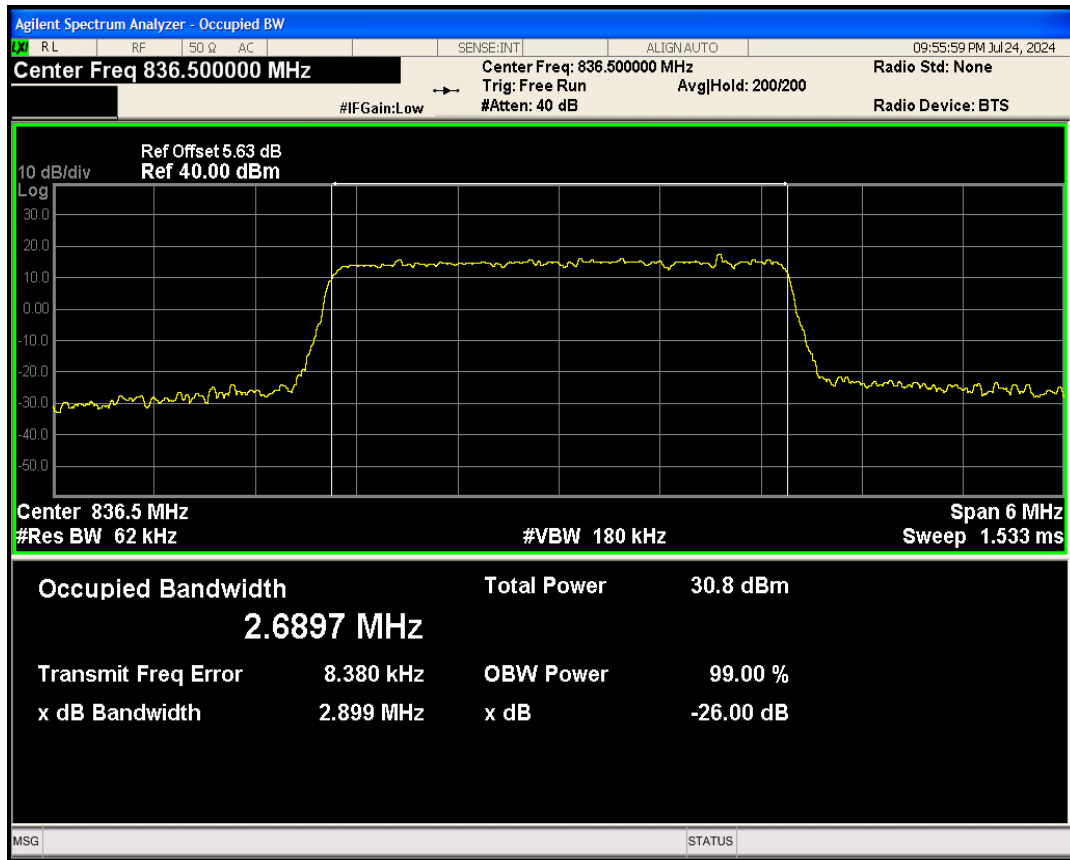


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

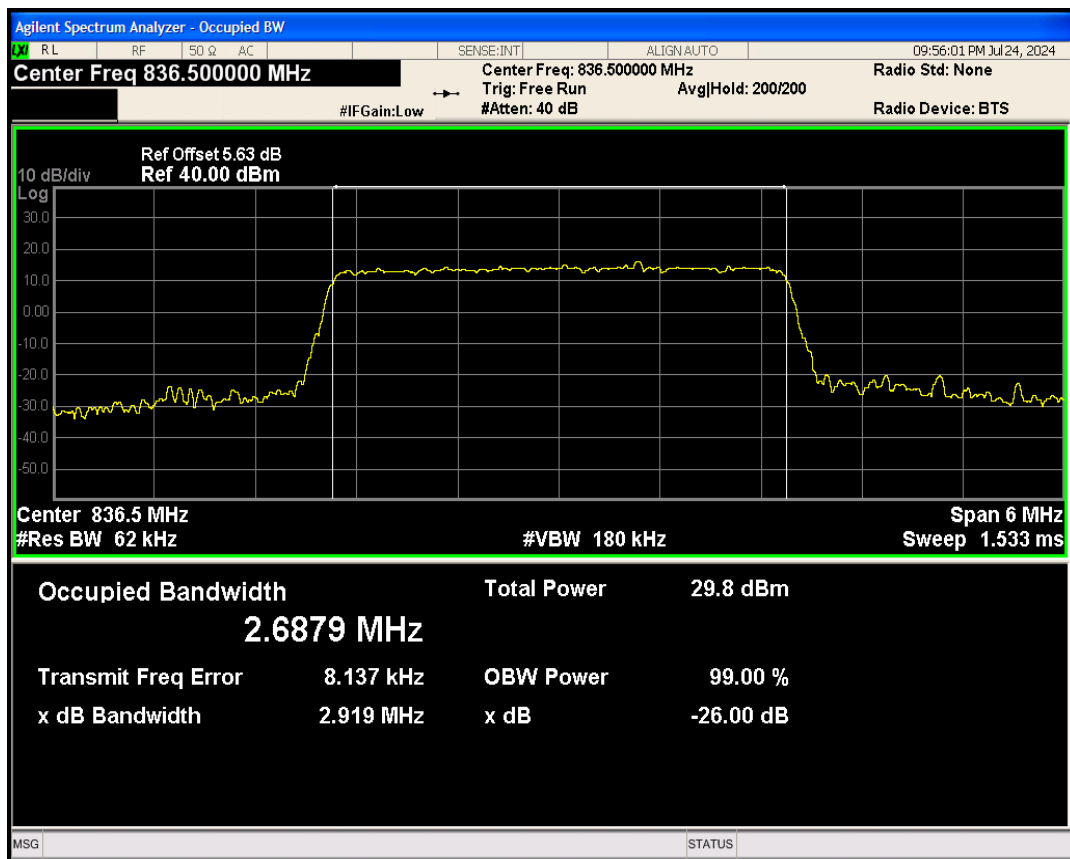




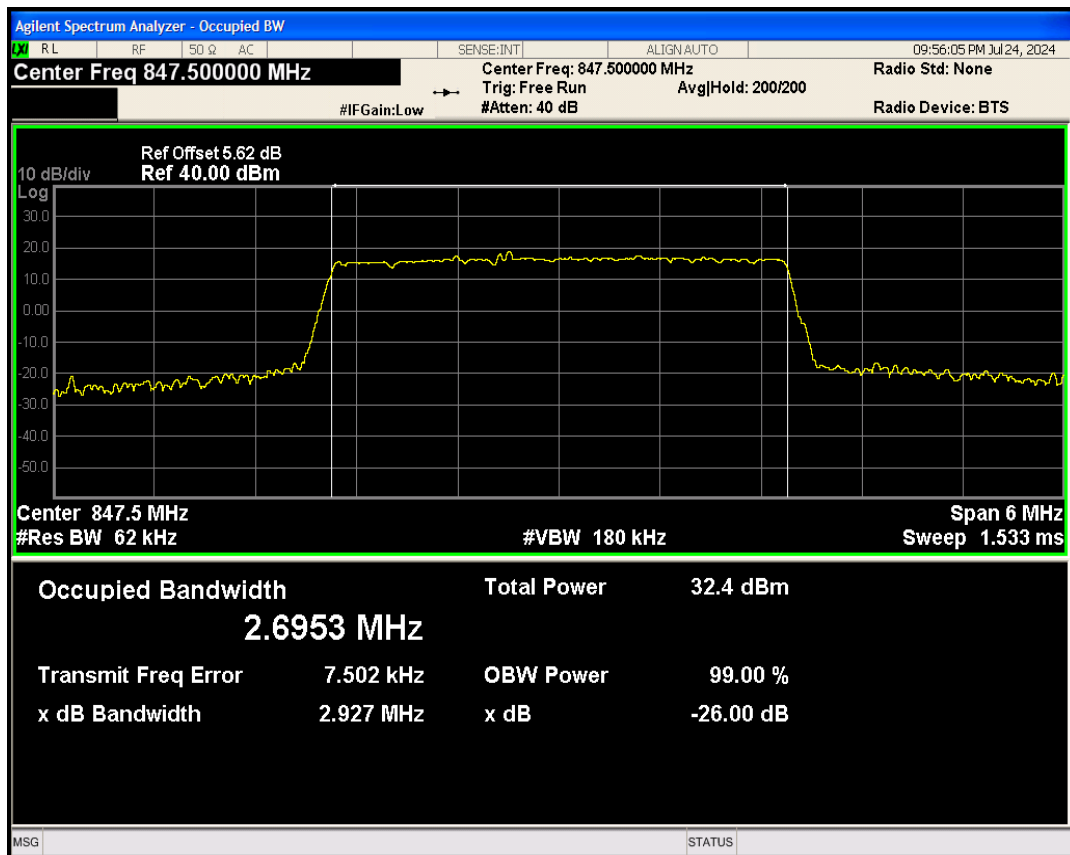
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



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

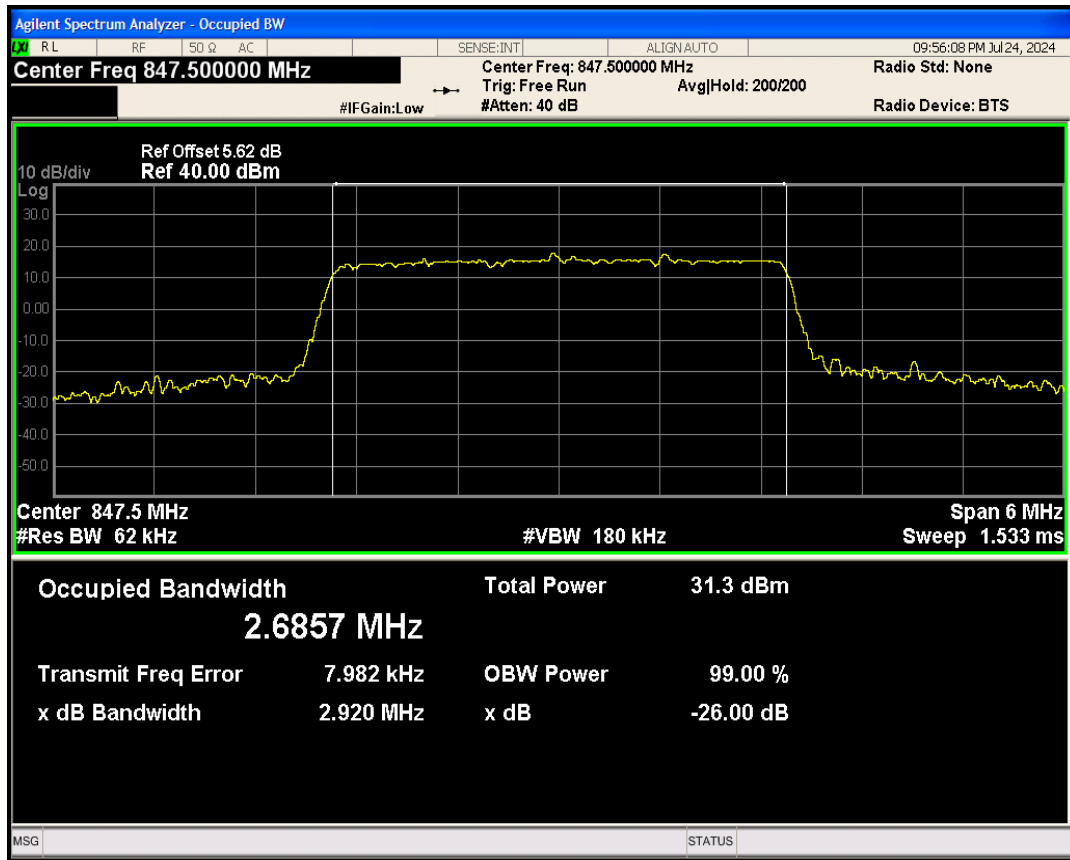


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

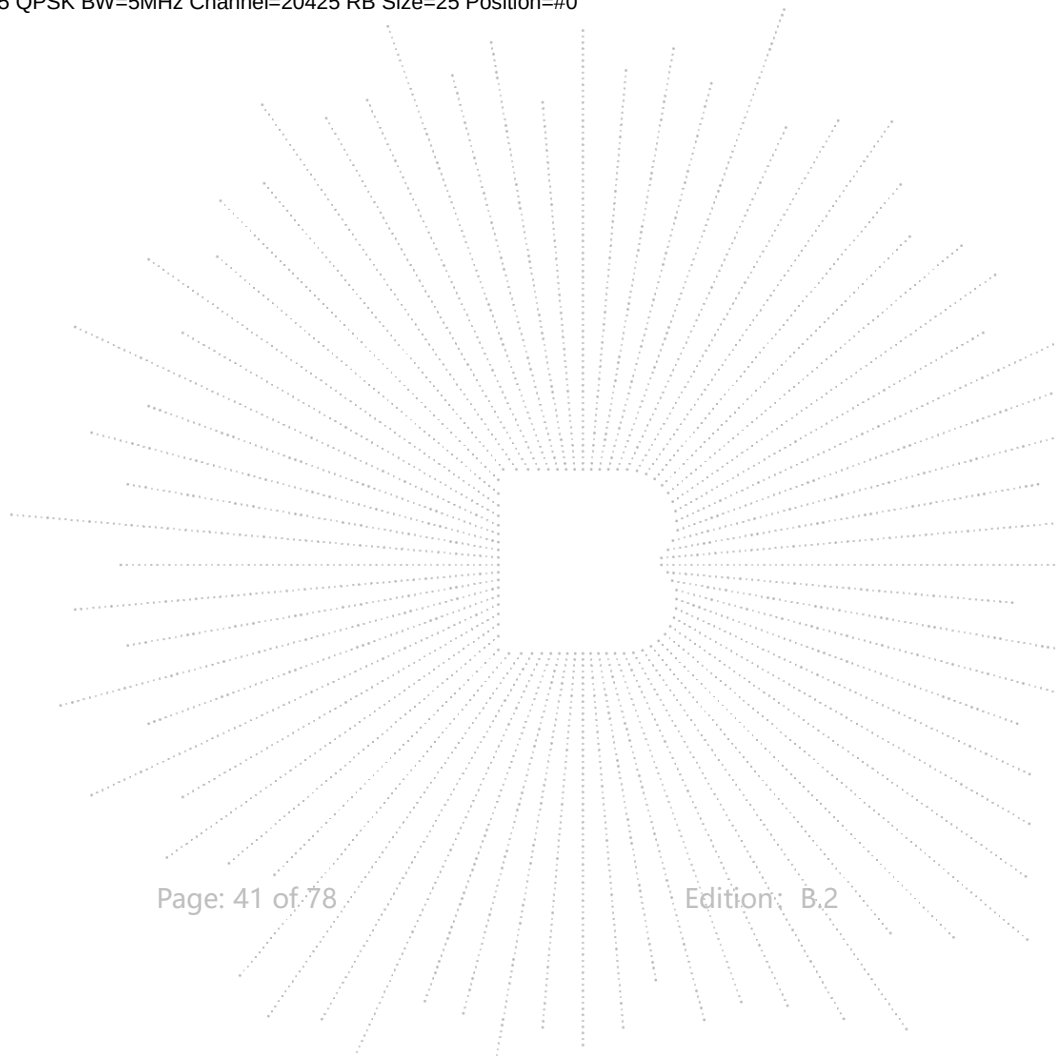


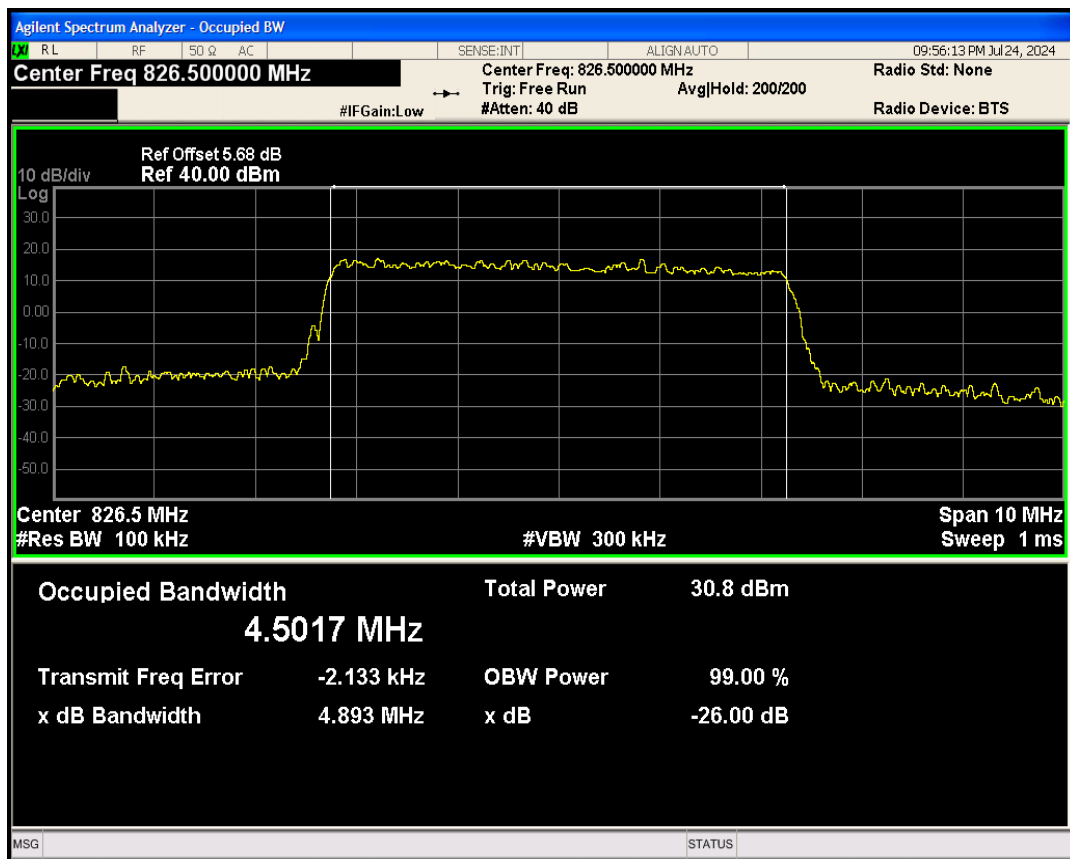


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

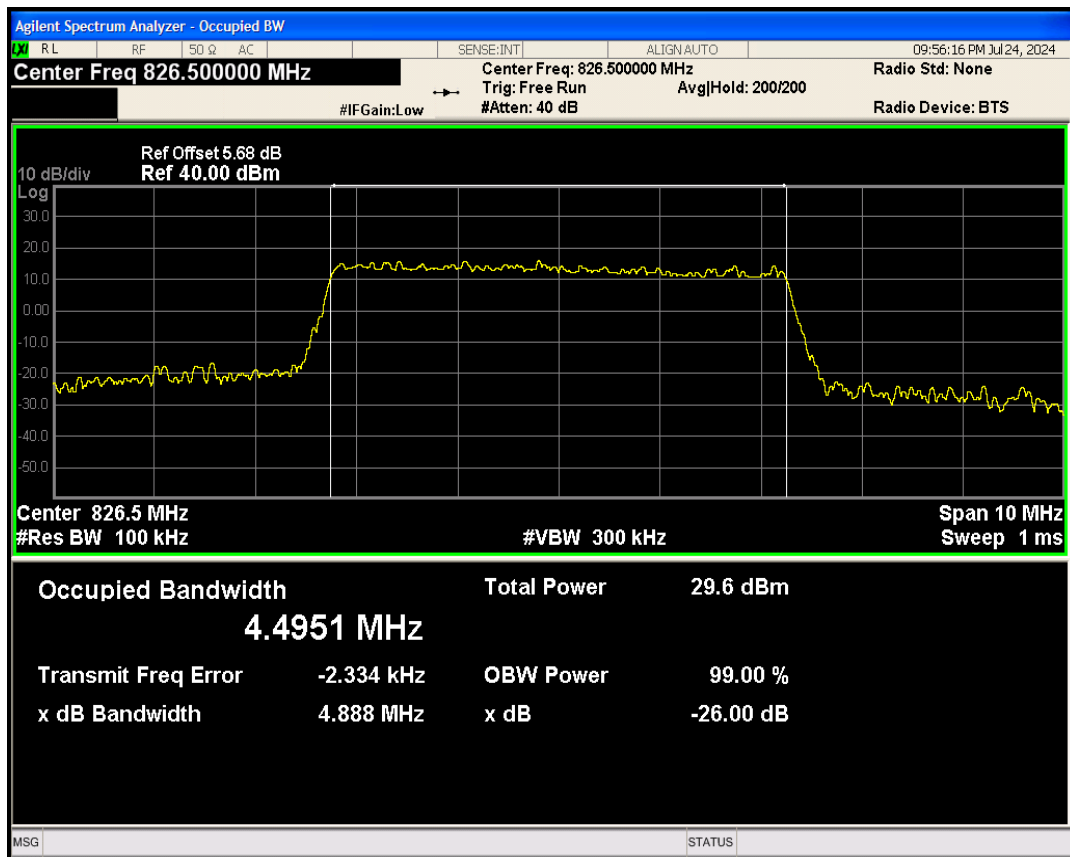


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



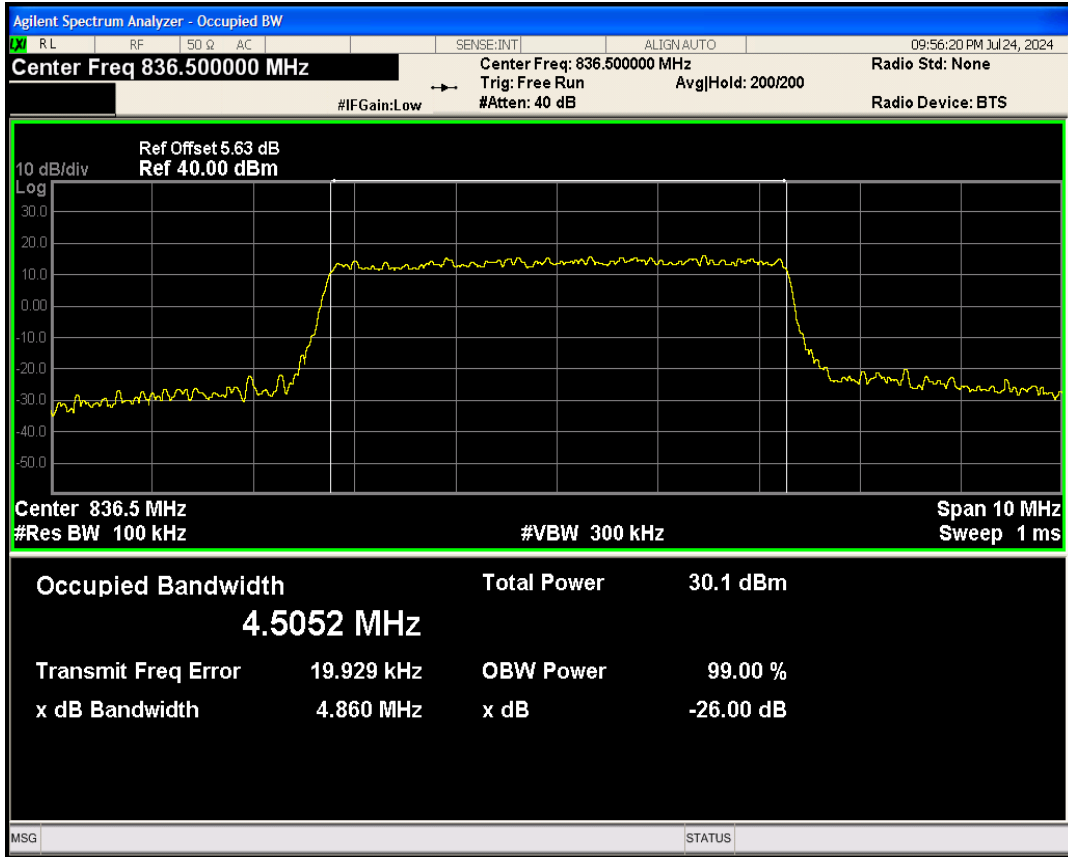


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

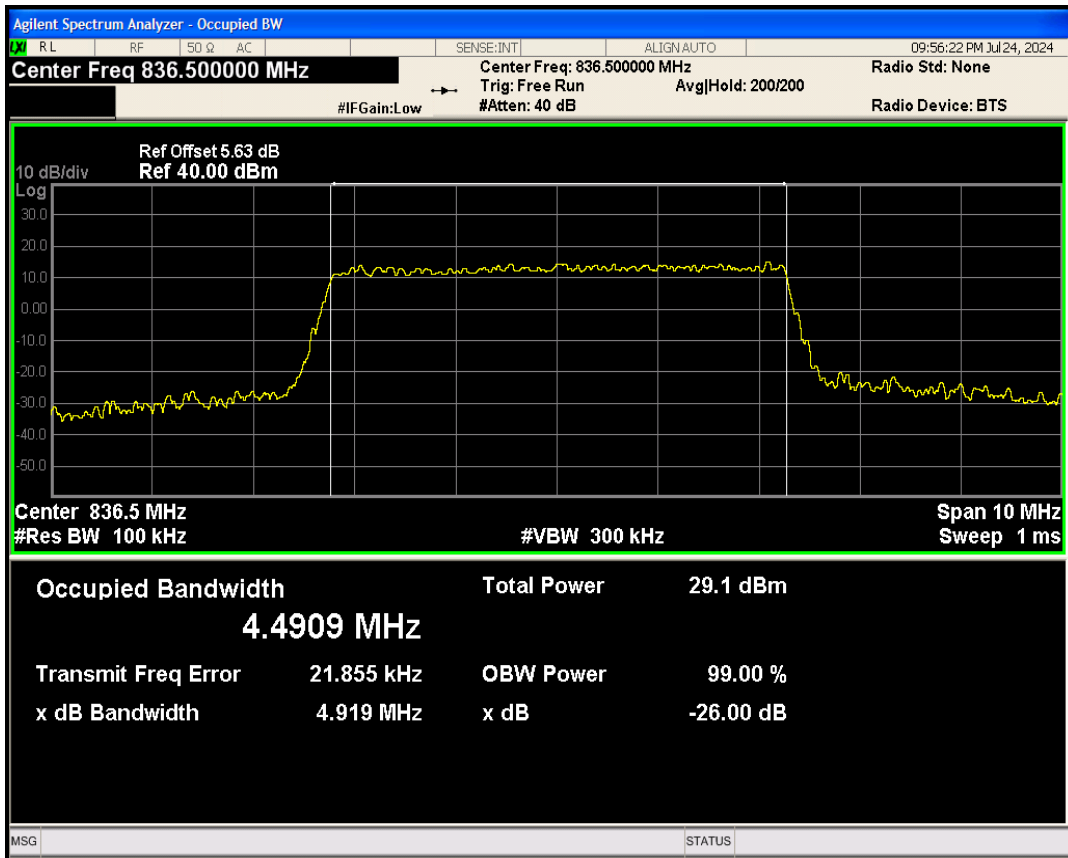




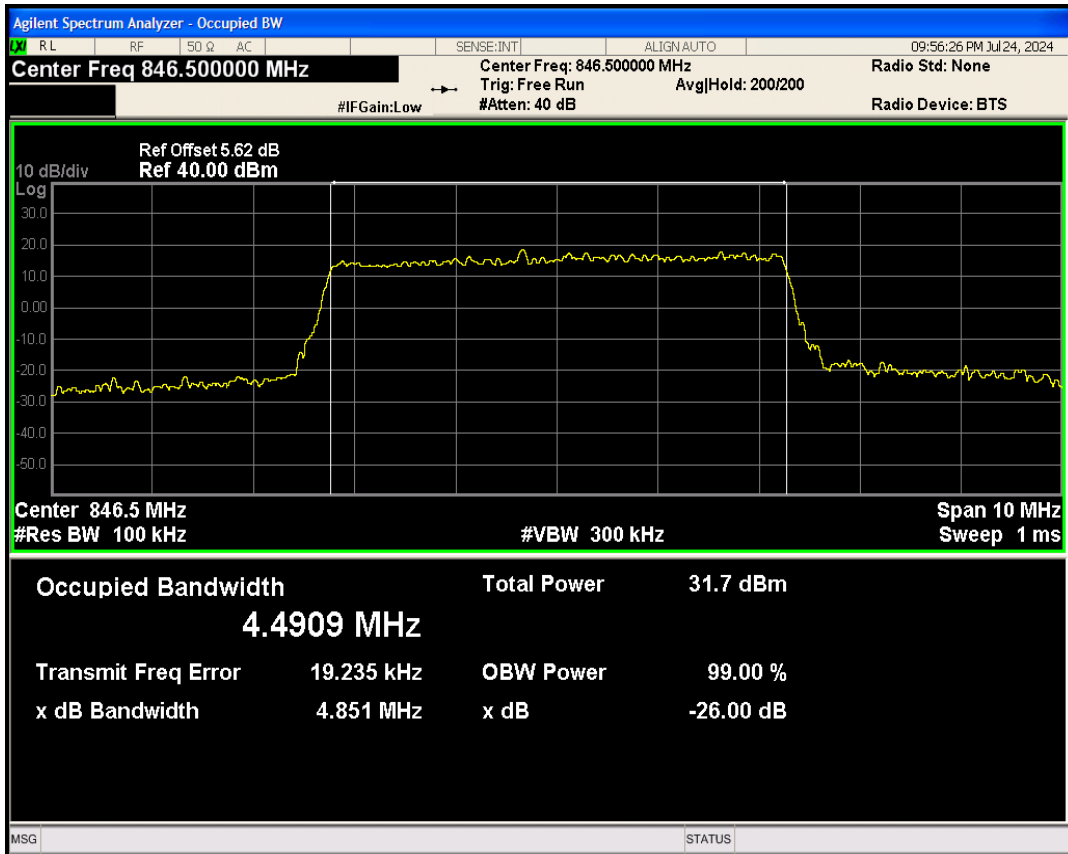
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



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

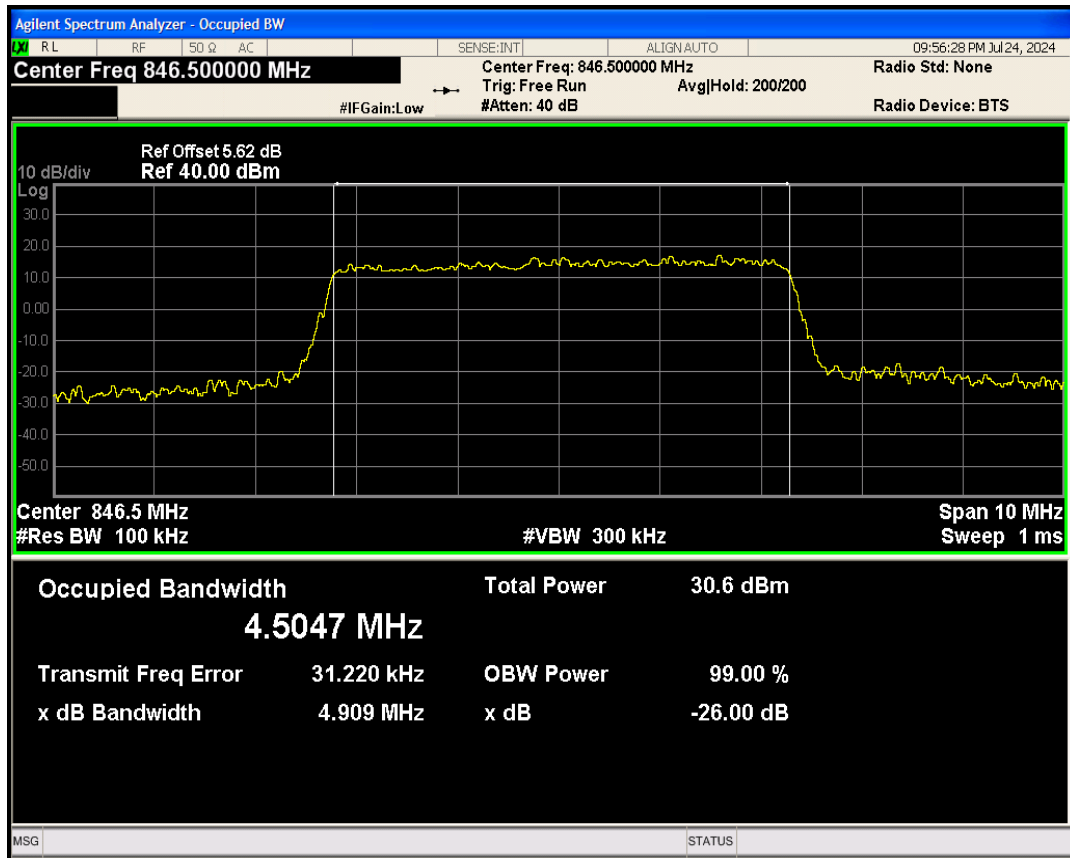


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

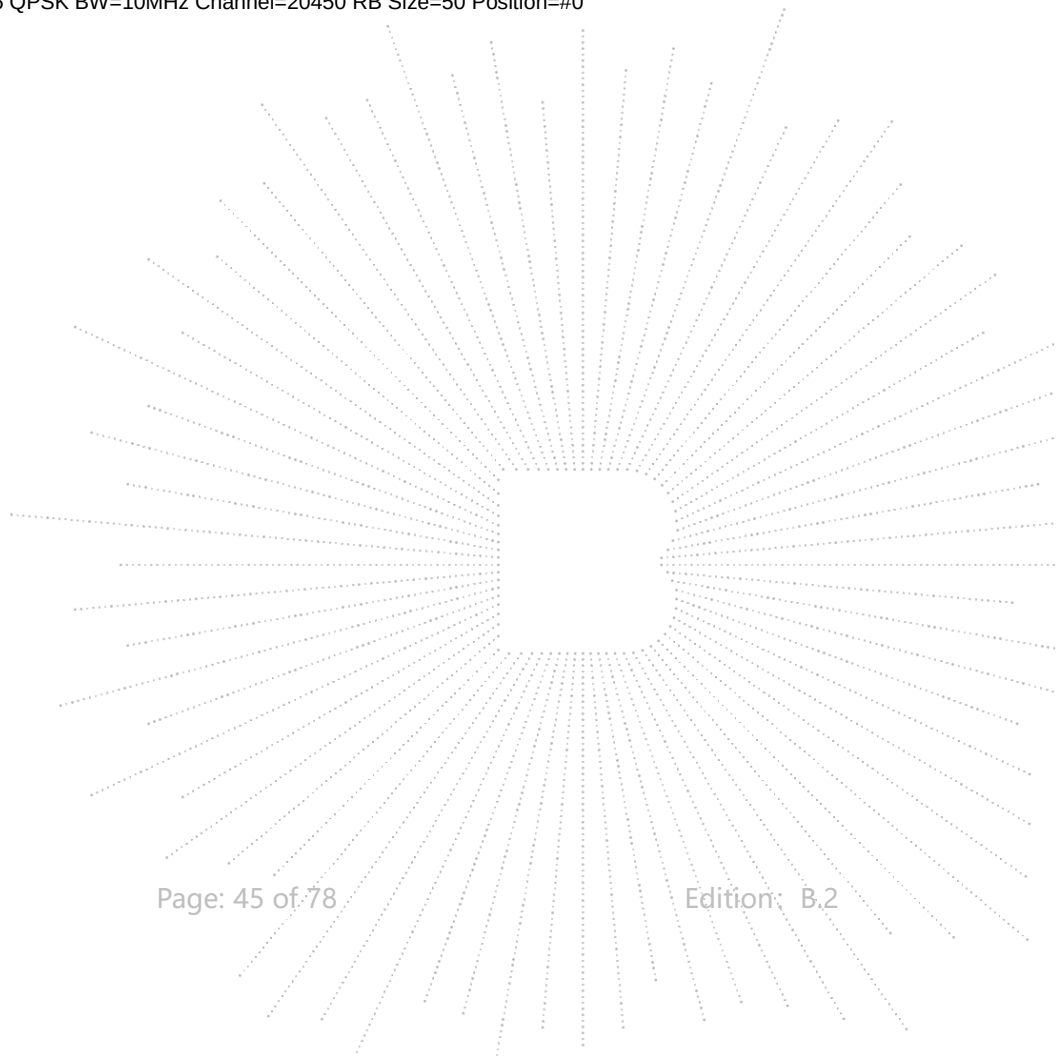


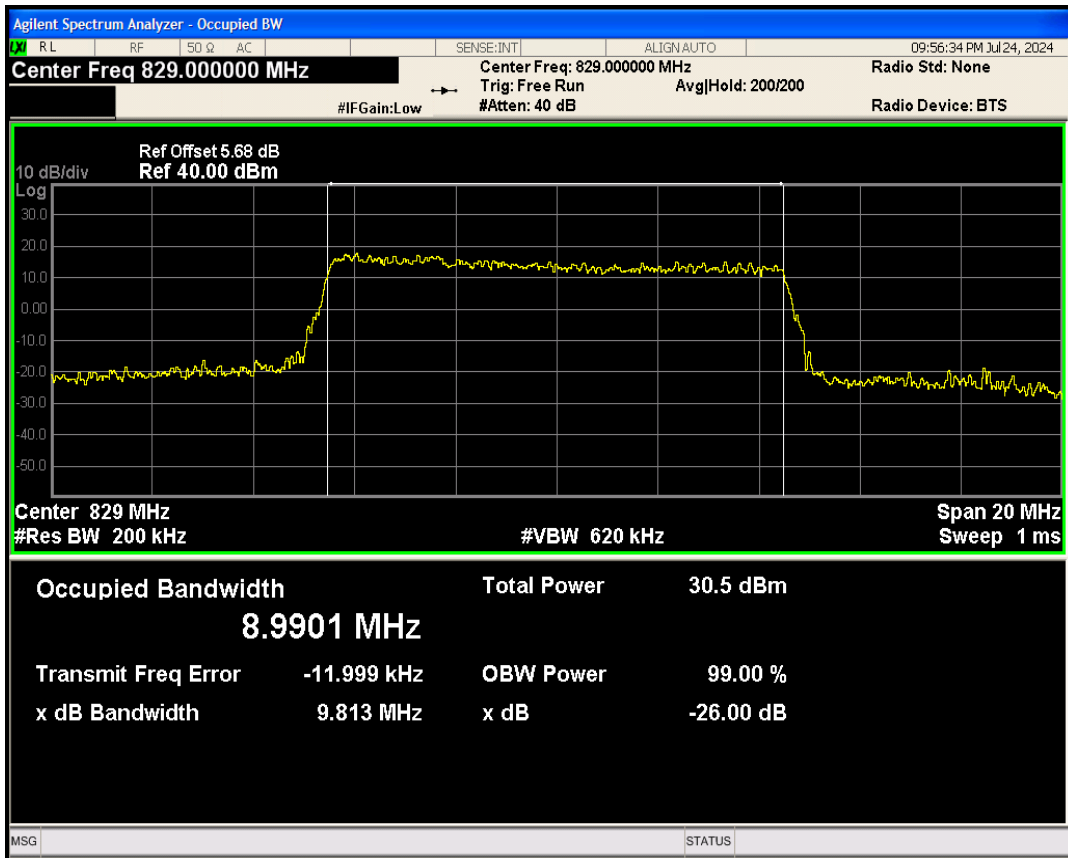


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

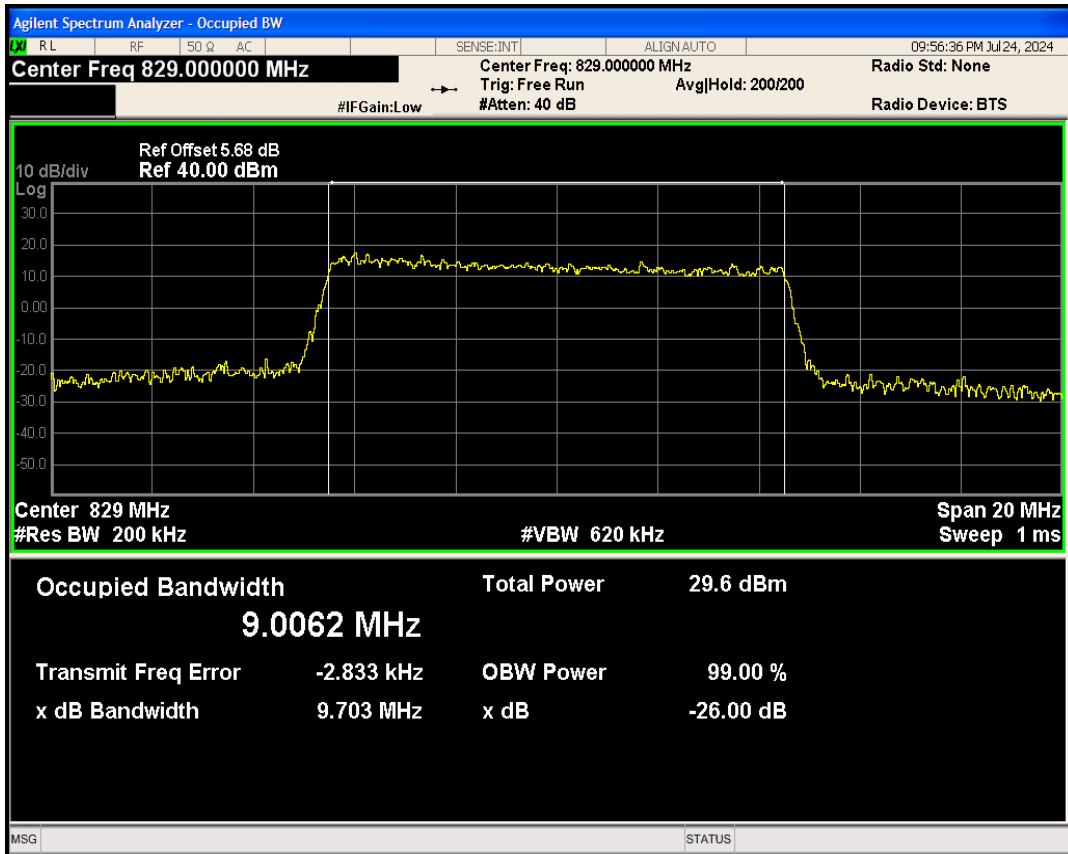


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



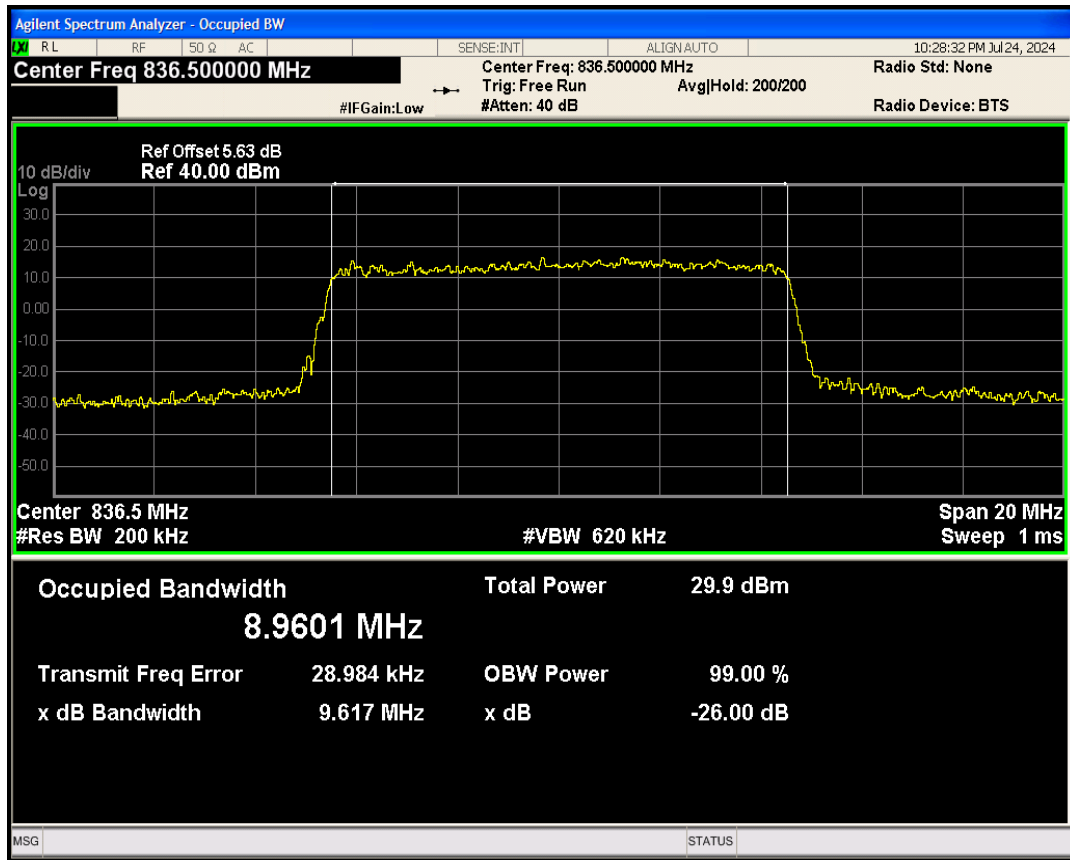


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

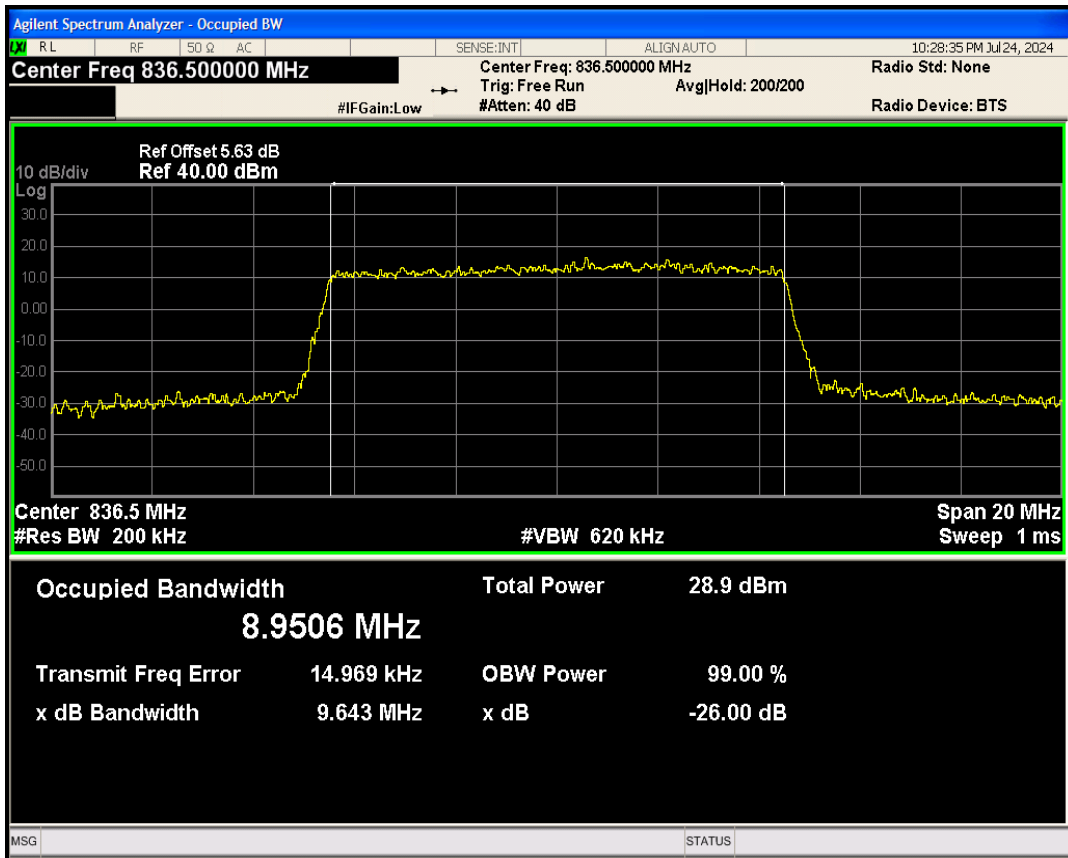




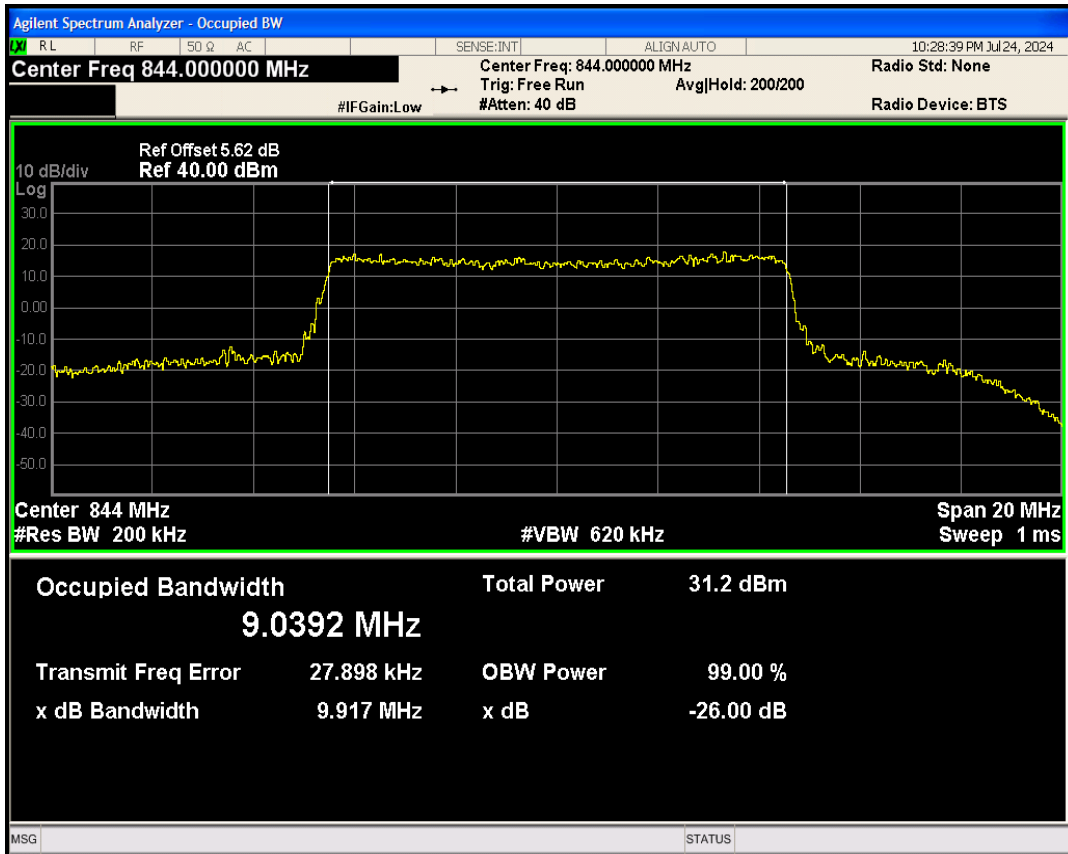
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



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

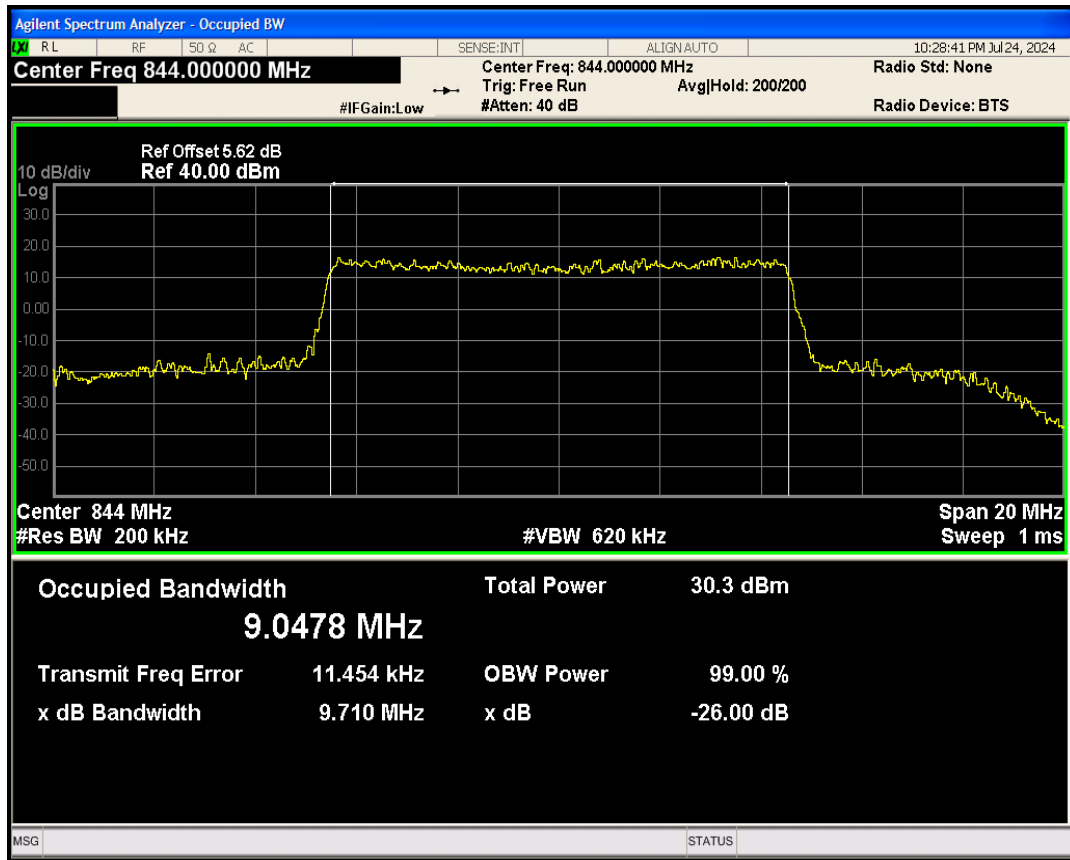


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





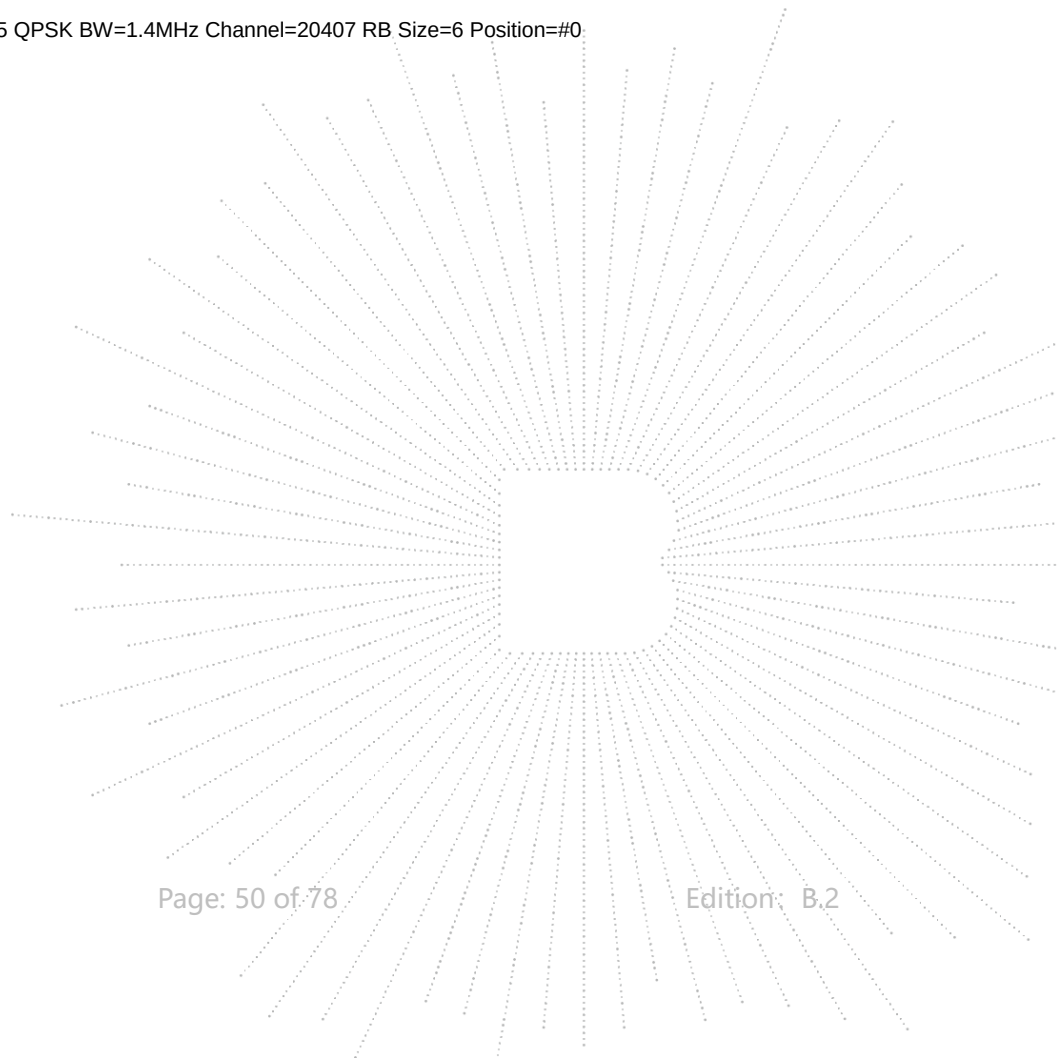
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

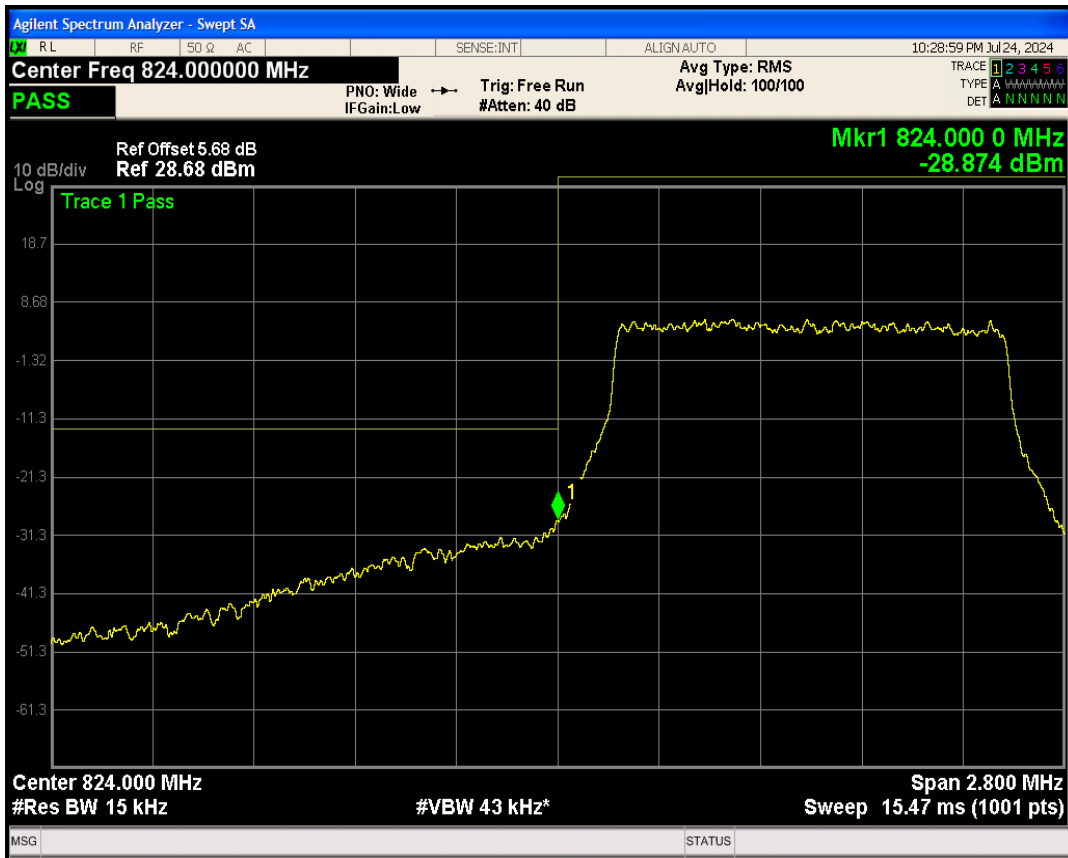


Appendix 5. Band edge

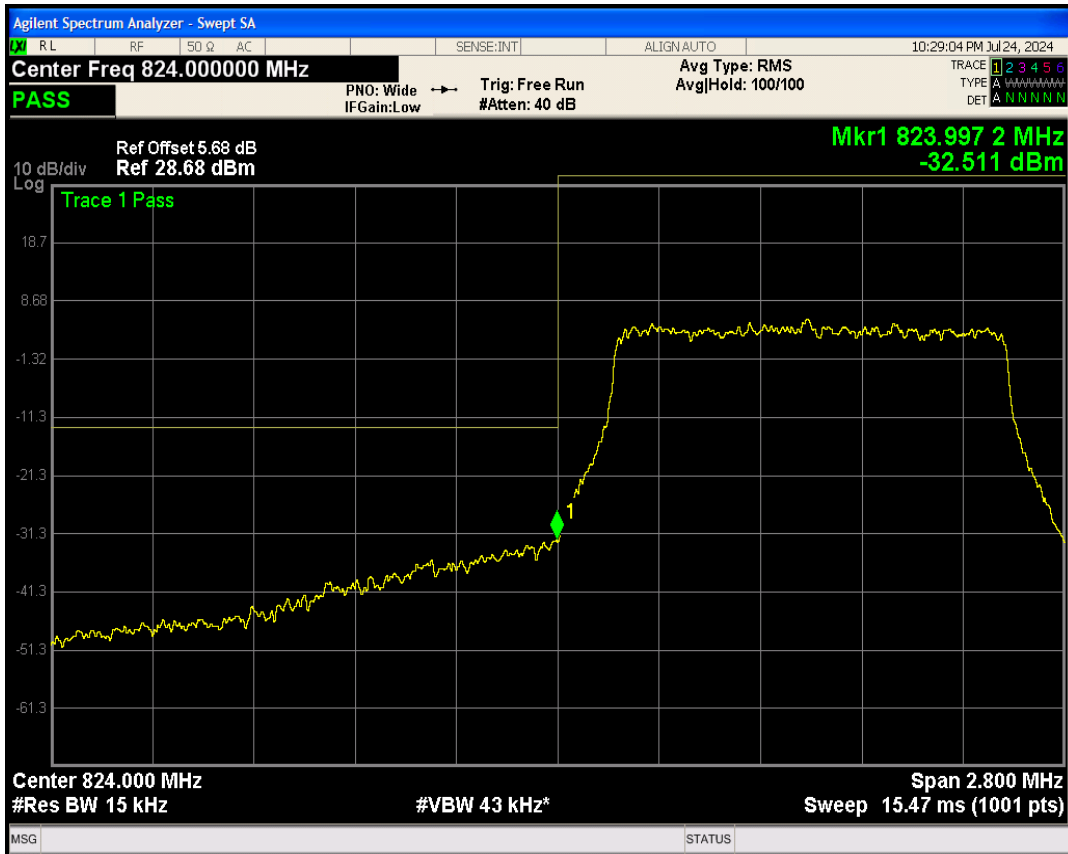
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-28.87	-13	PASS
Band5	1.4	20407	6	#0	16QAM	824.00	-32.51	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-26.79	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-29.33	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-30.11	-13	PASS
Band5	3	20415	15	#0	16QAM	824.00	-32.07	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-28.69	-13	PASS
Band5	3	20635	15	#0	16QAM	849.02	-30.56	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-28.72	-13	PASS
Band5	5	20425	25	#0	16QAM	824.00	-29.78	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-27.97	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-28.74	-13	PASS
Band5	10	20450	50	#0	QPSK	823.86	-29.80	-13	PASS
Band5	10	20450	50	#0	16QAM	823.92	-31.44	-13	PASS
Band5	10	20600	50	#0	QPSK	849.08	-26.47	-13	PASS
Band5	10	20600	50	#0	16QAM	849.06	-29.76	-13	PASS

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



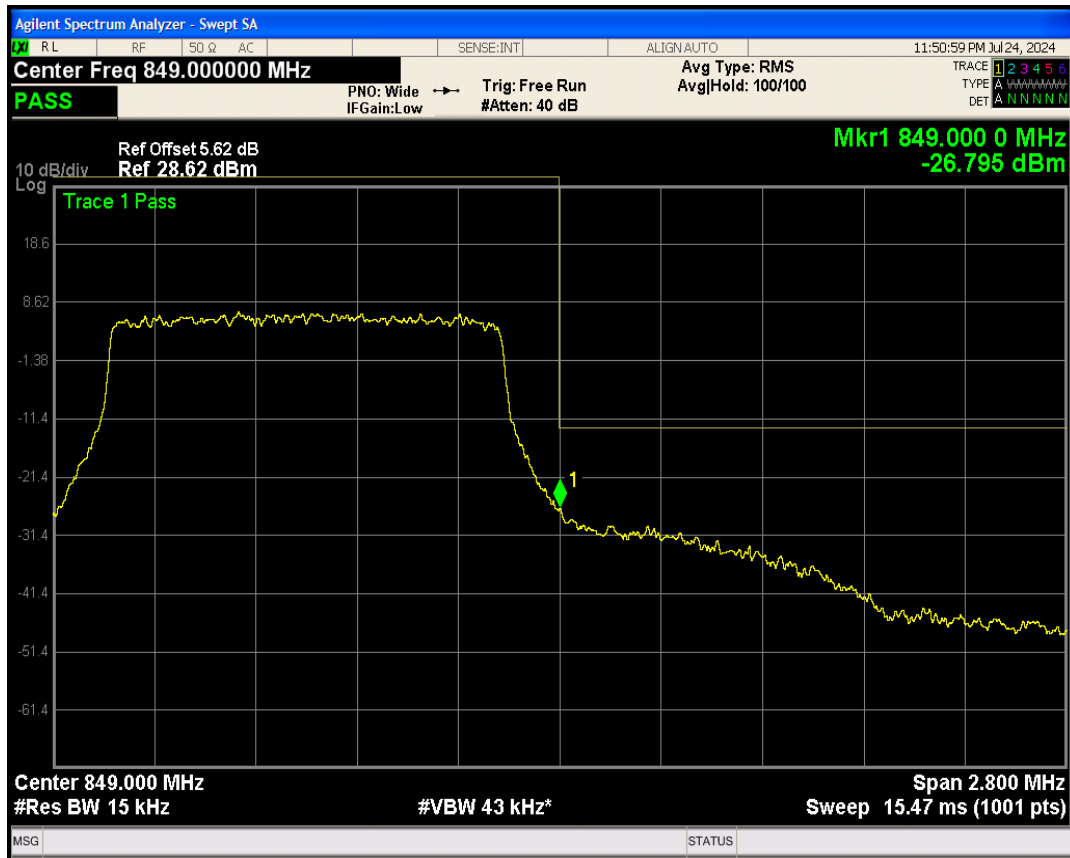


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

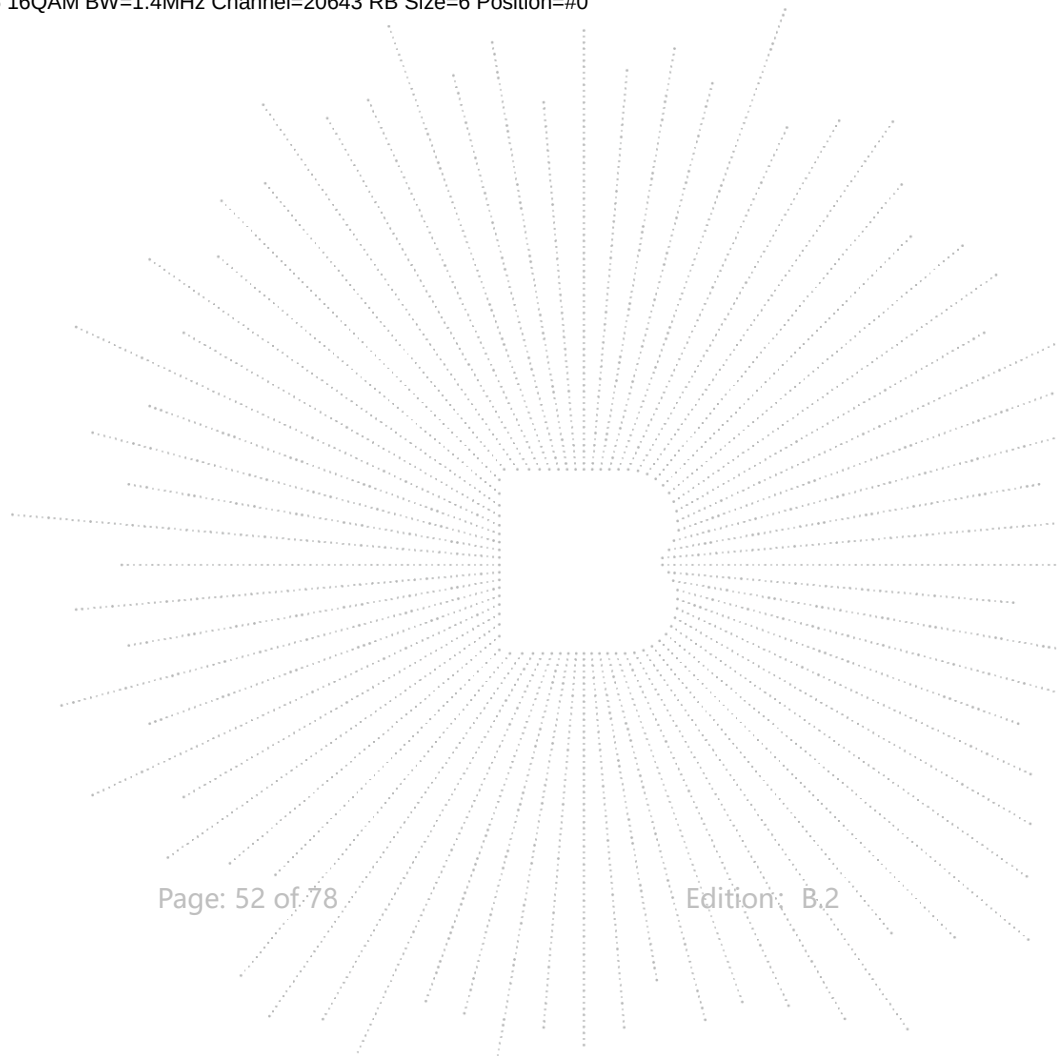


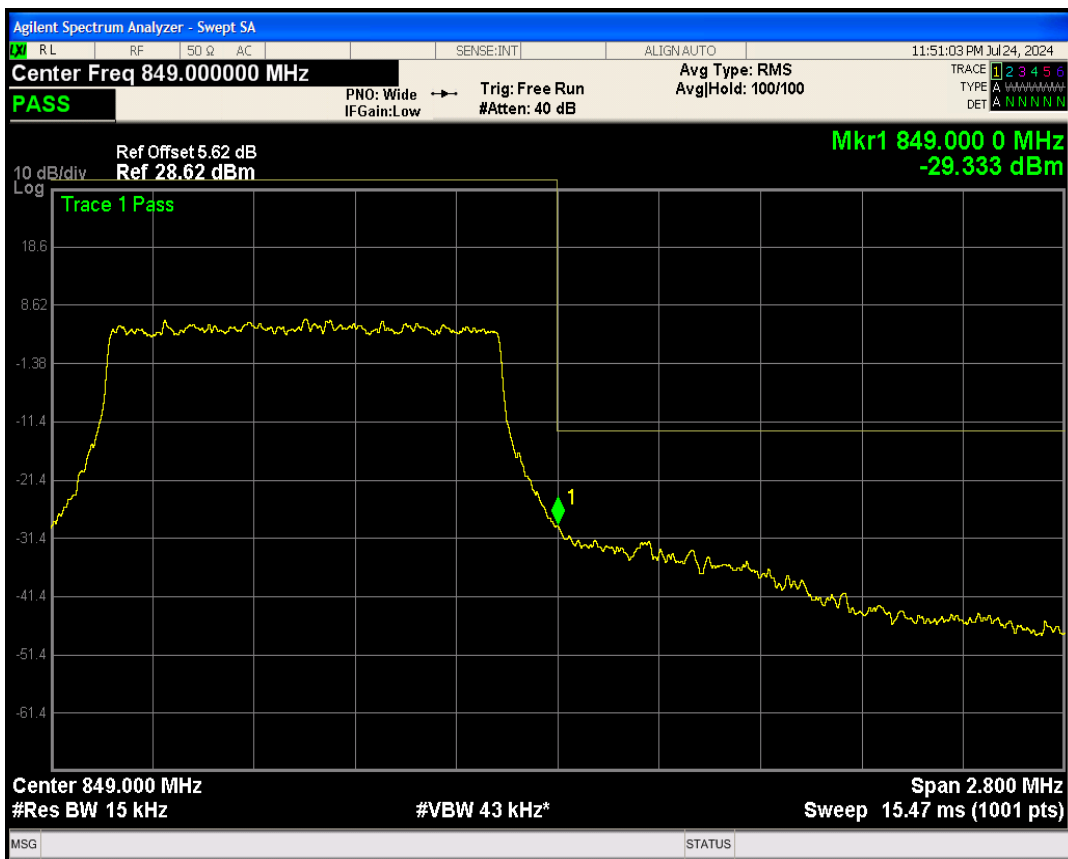


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

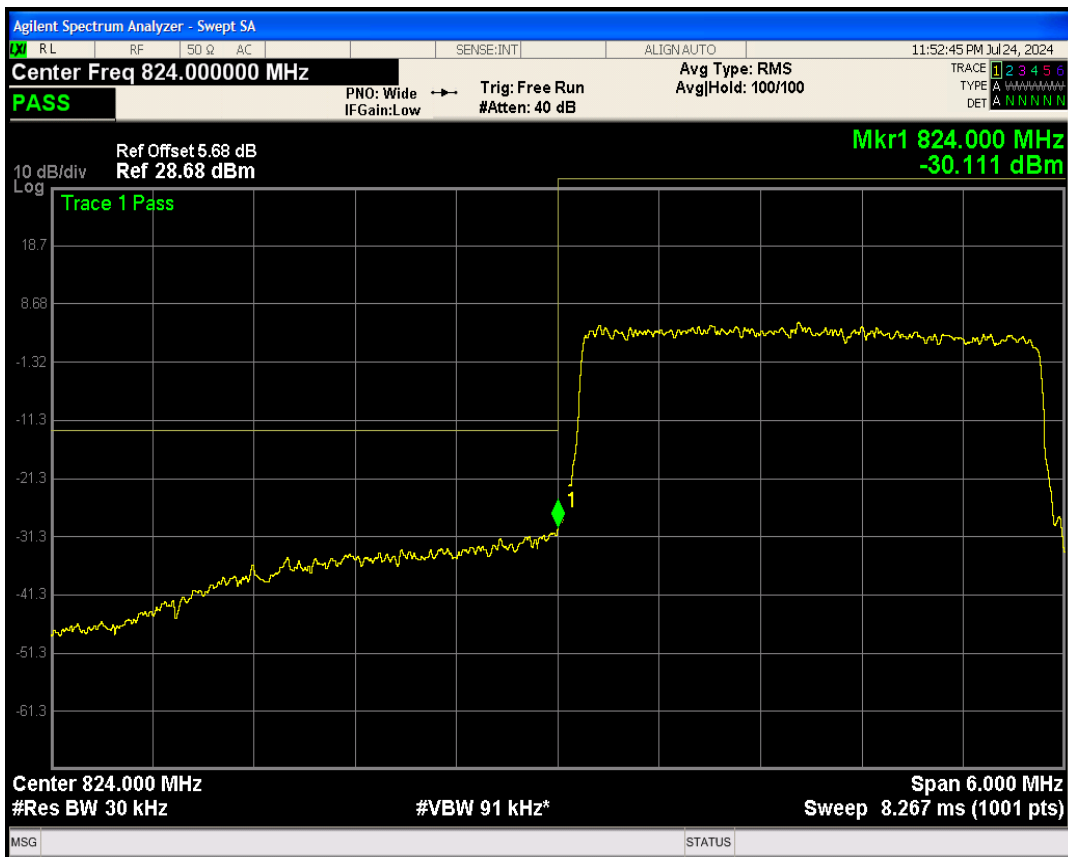


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



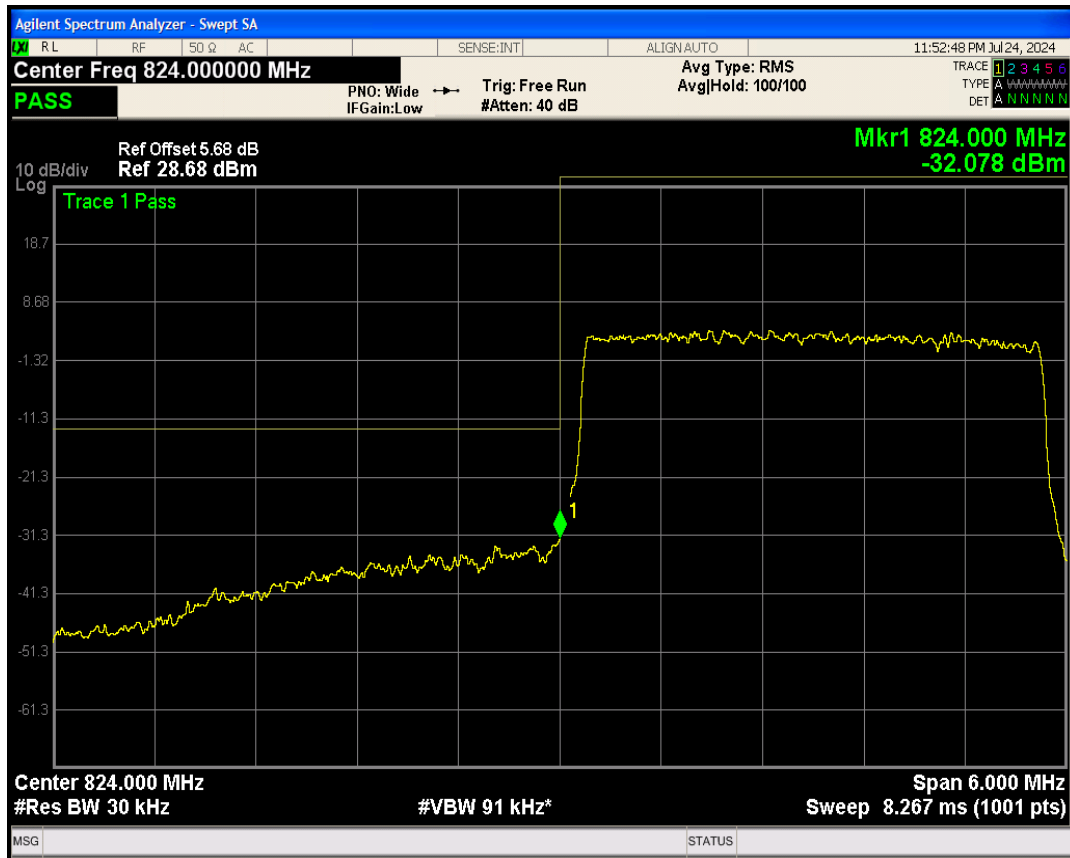


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

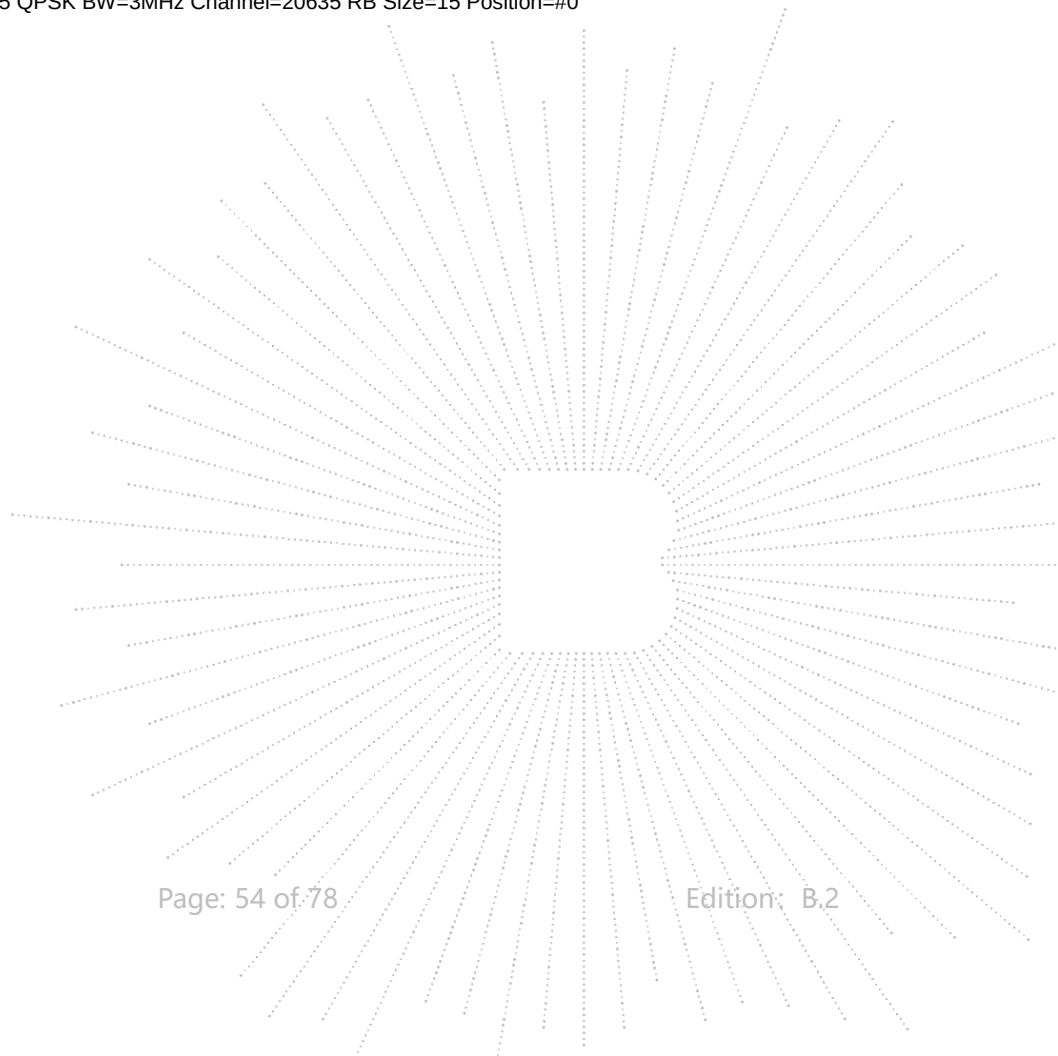


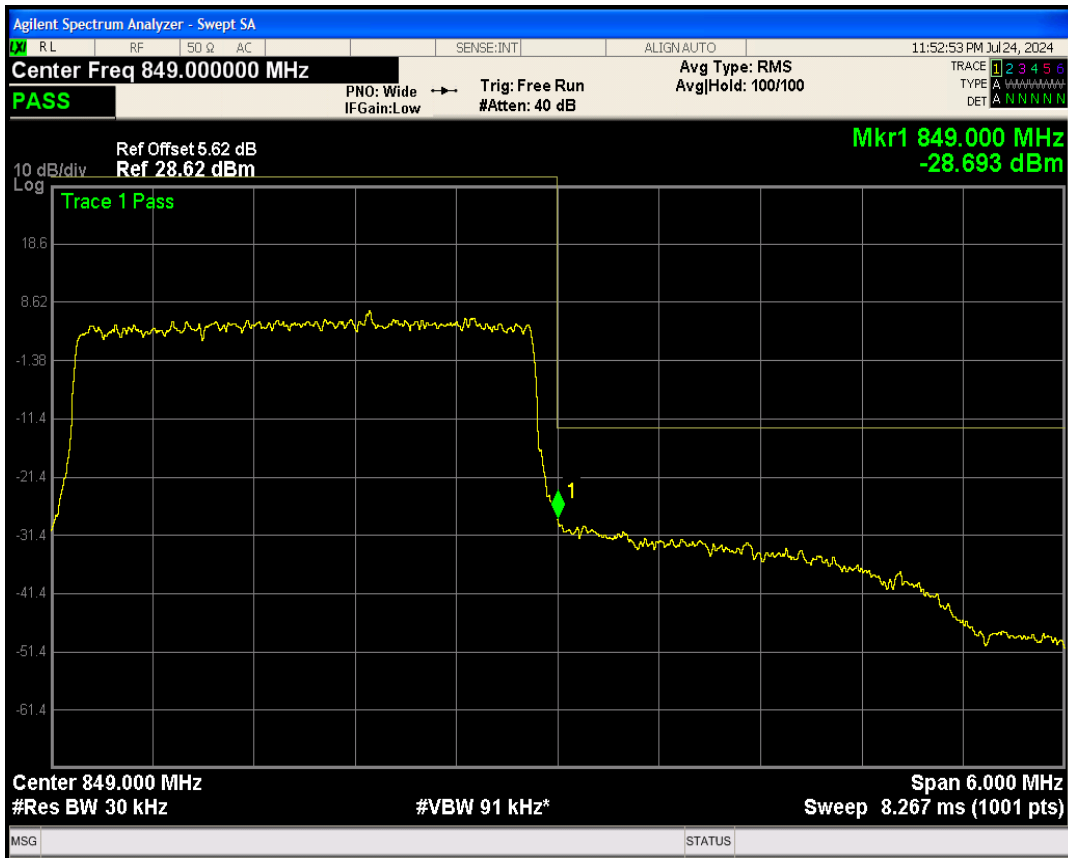


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

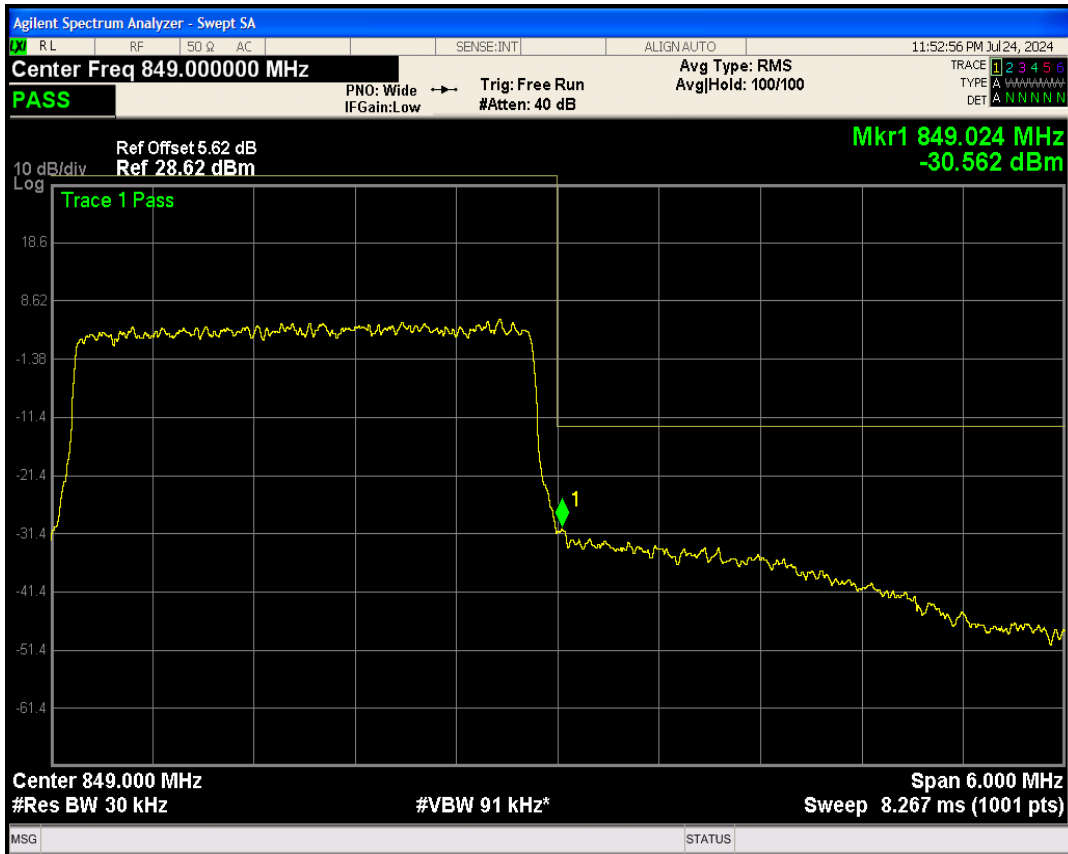


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



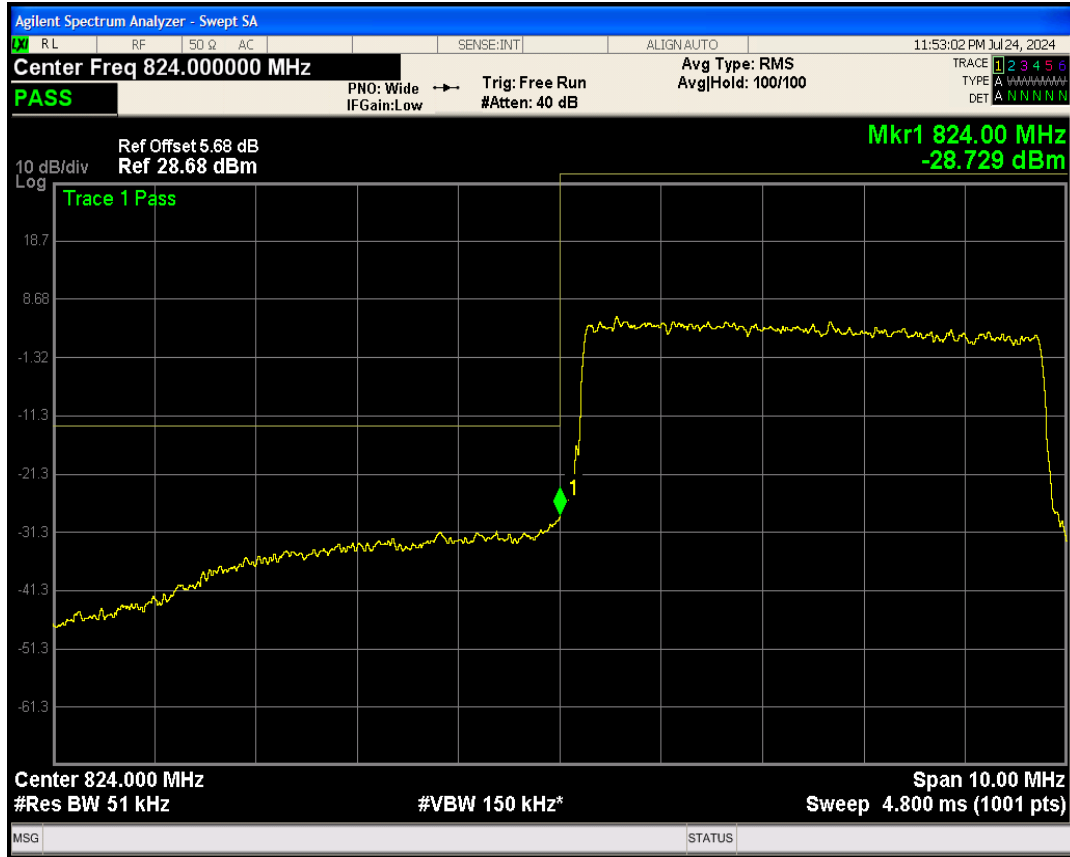


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

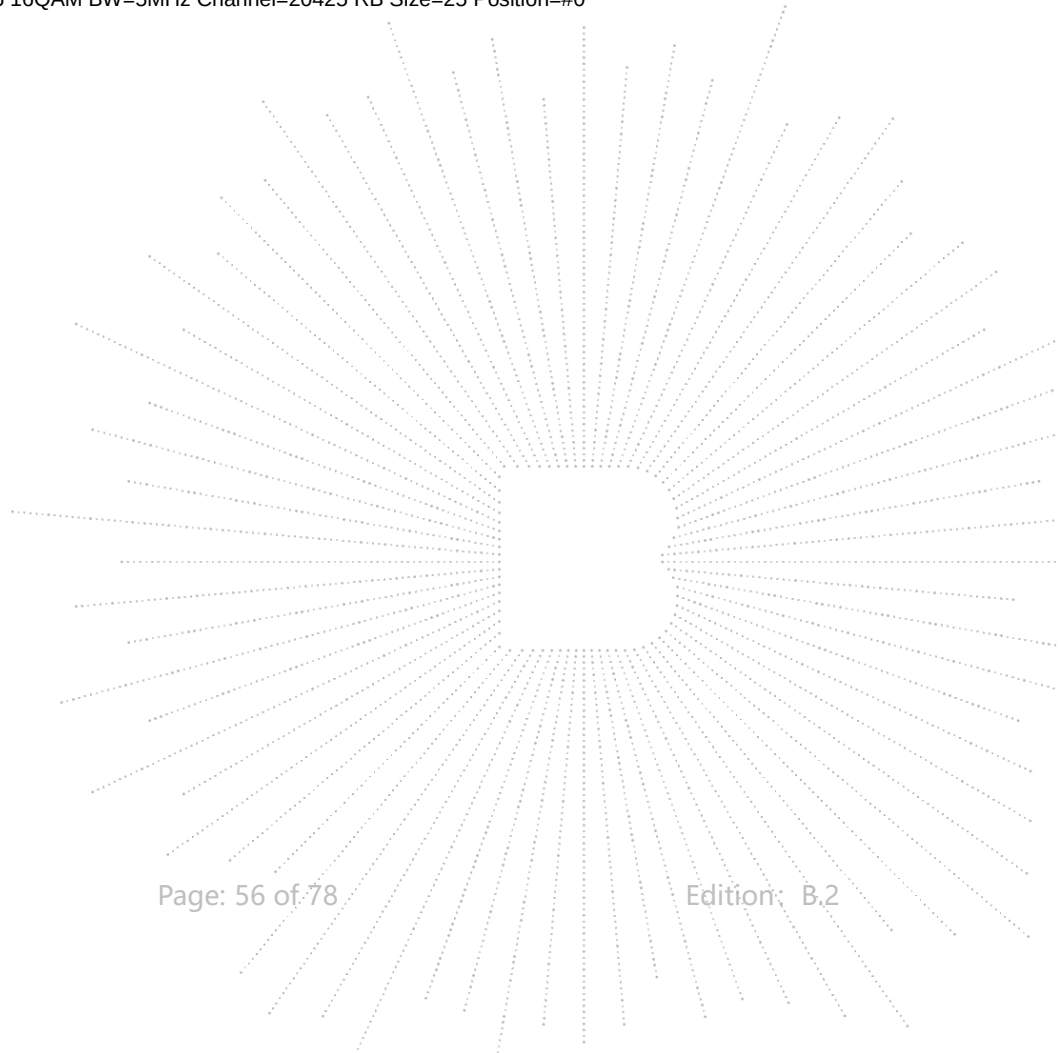


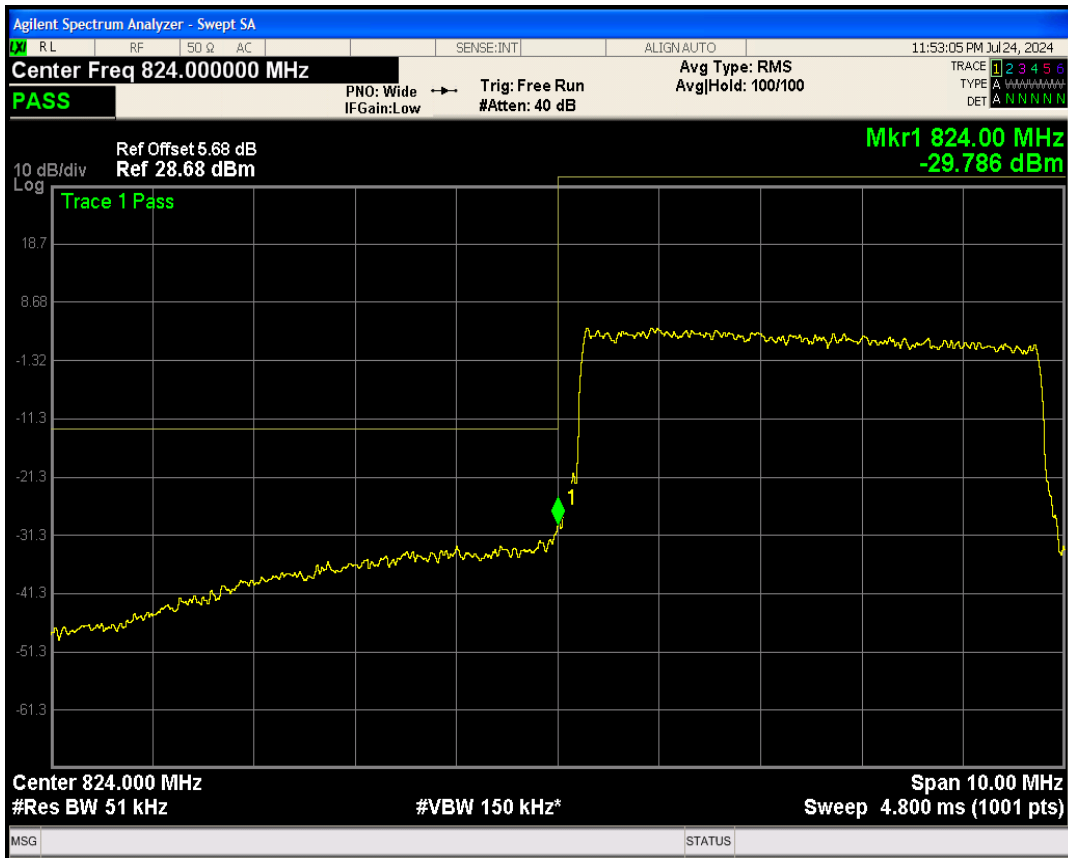


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

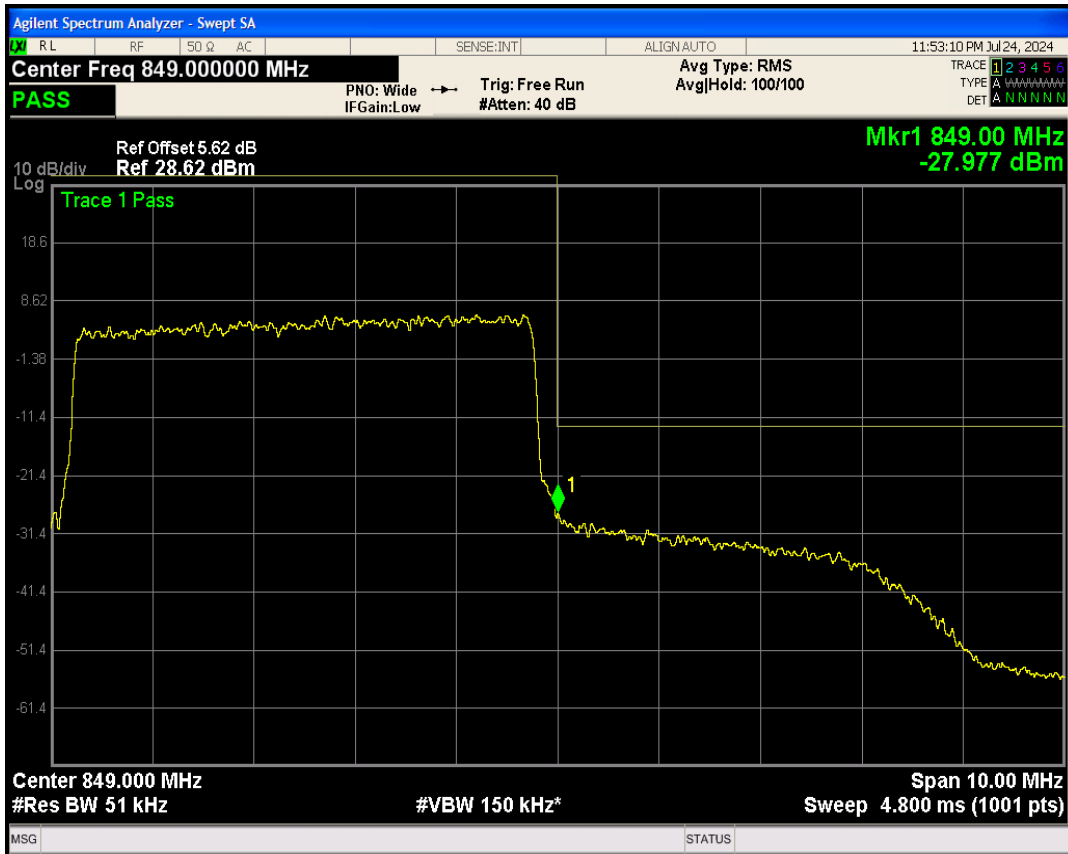


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

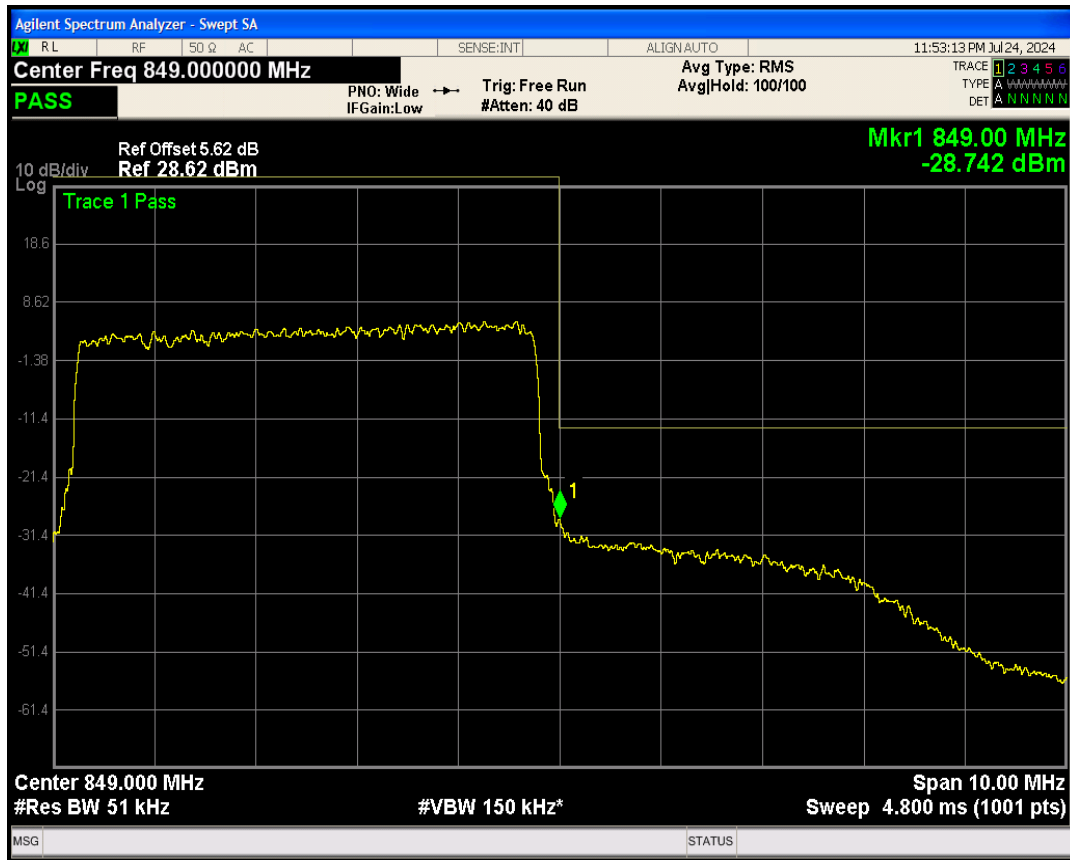




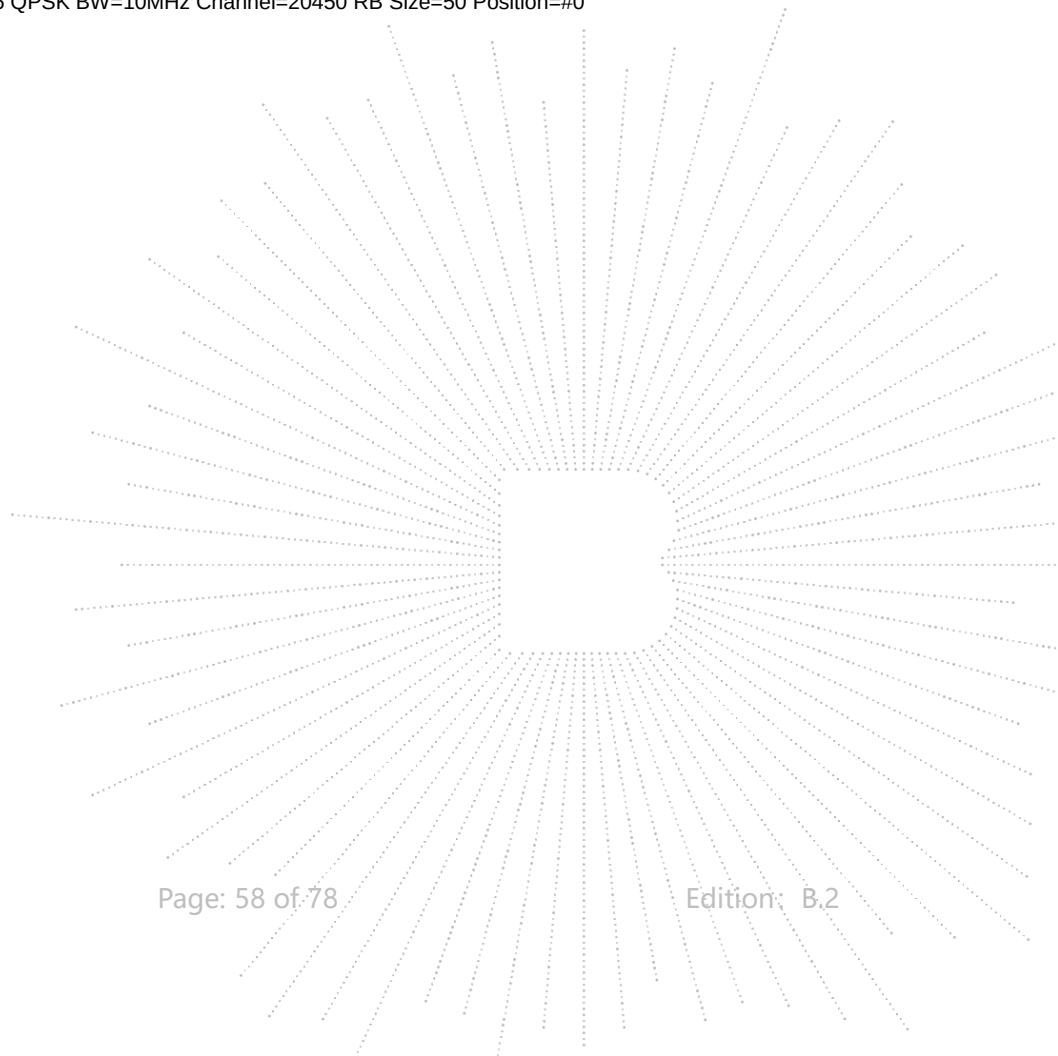
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

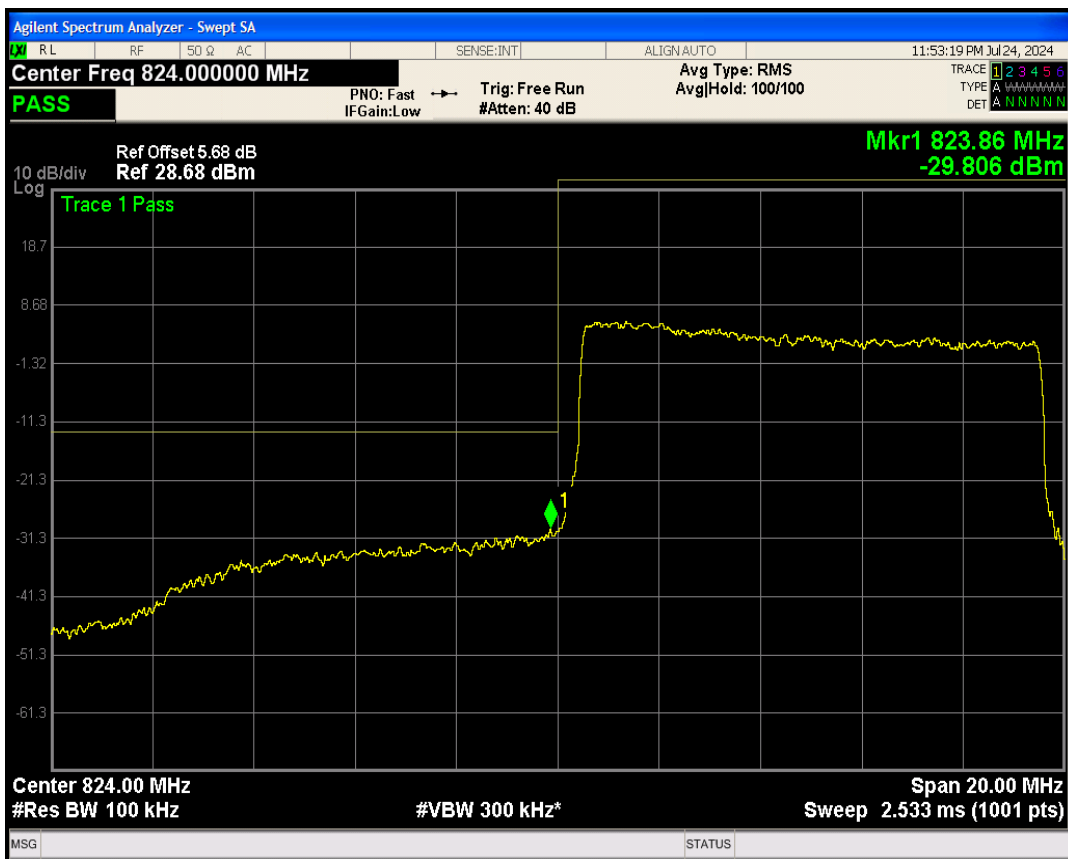


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

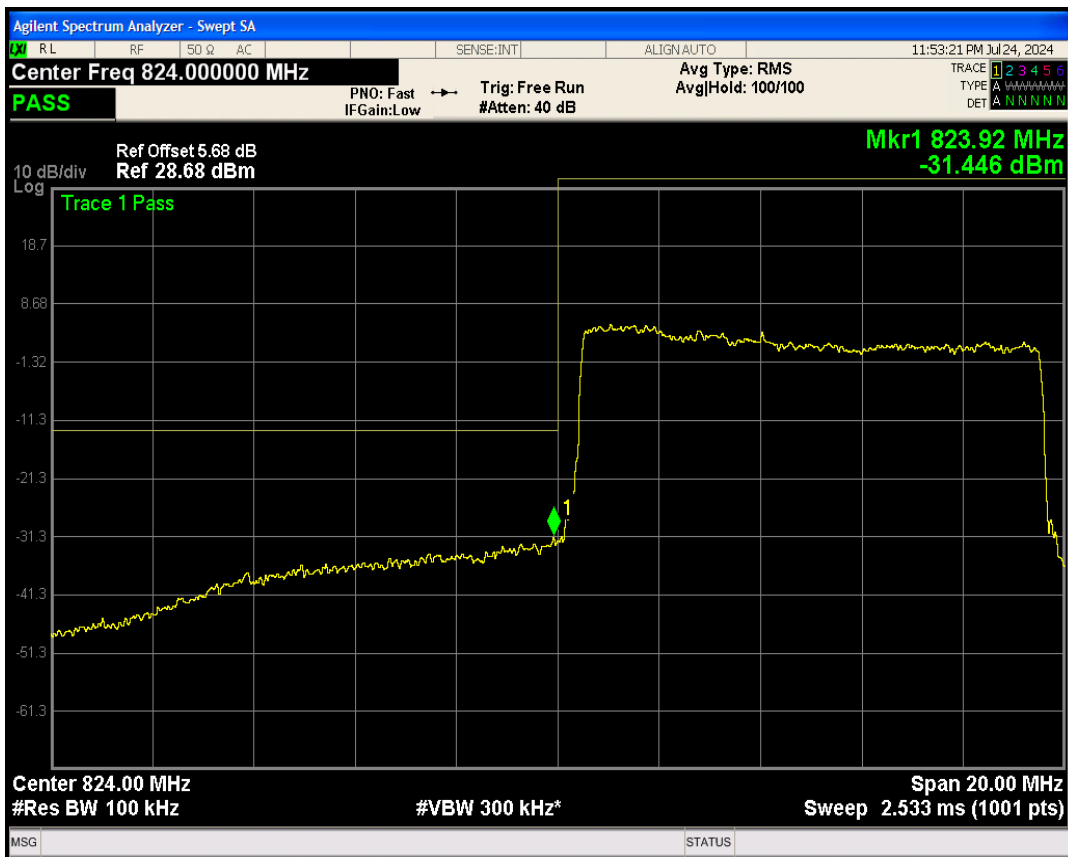


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



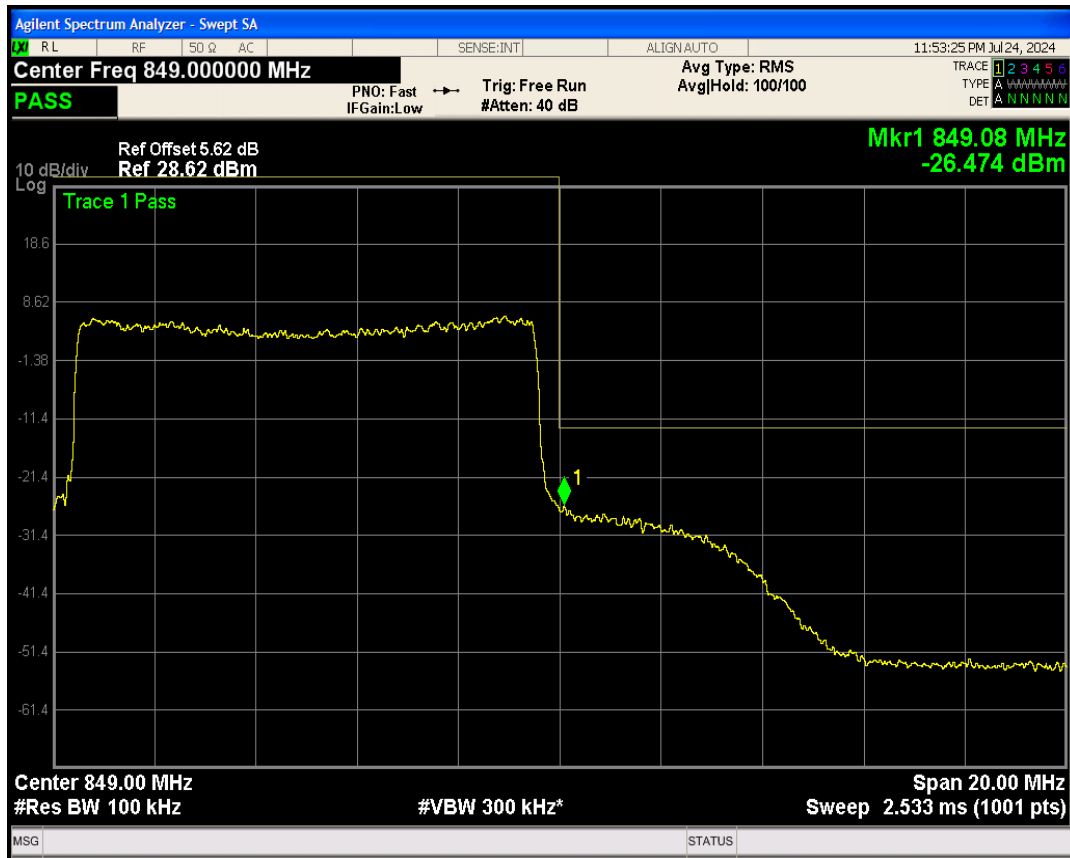


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

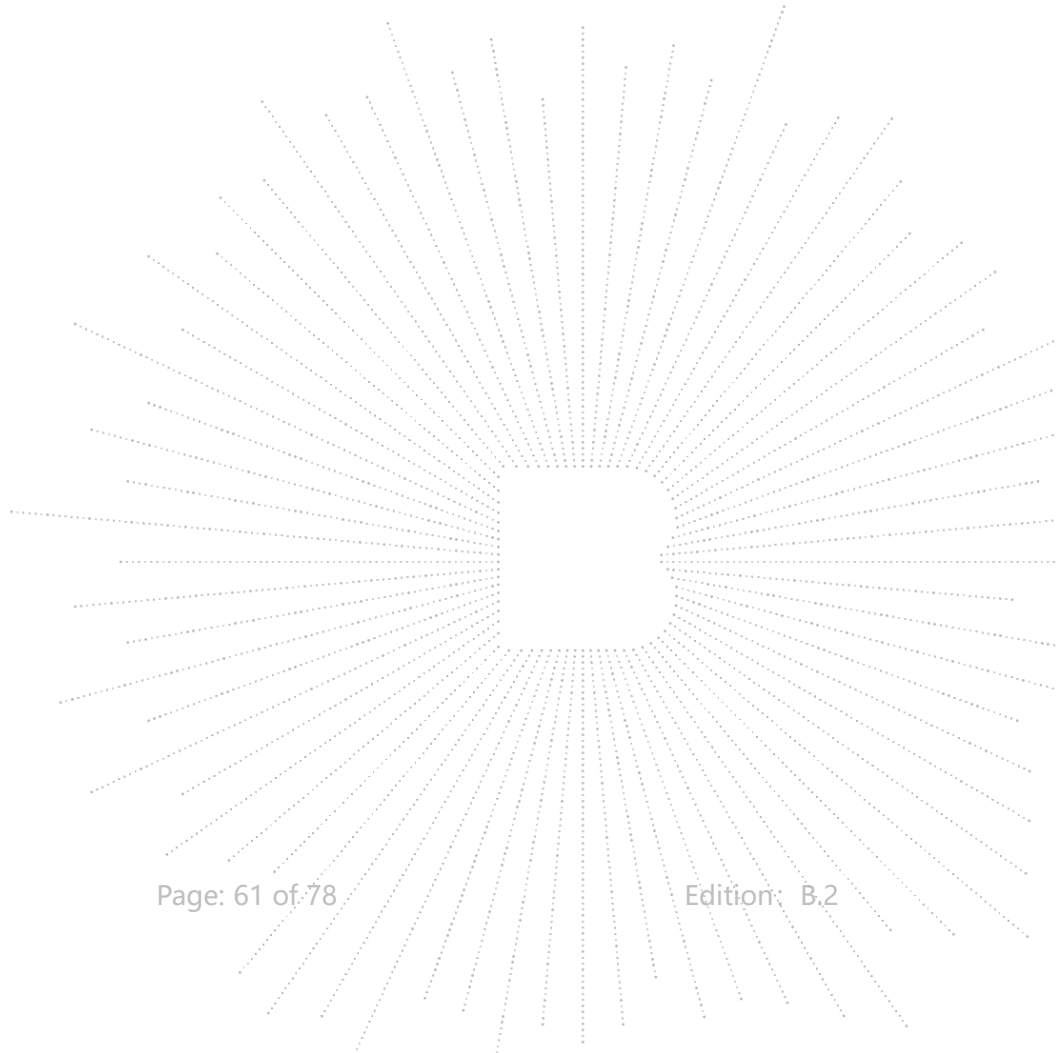
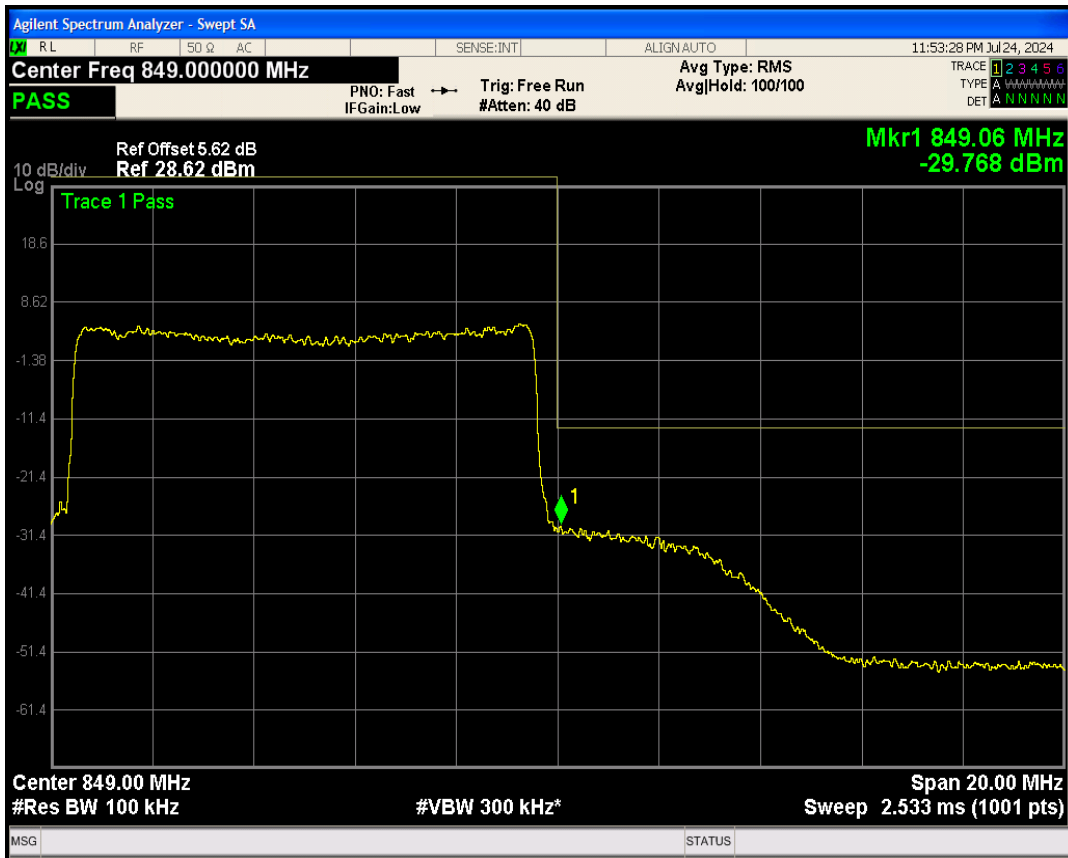




Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



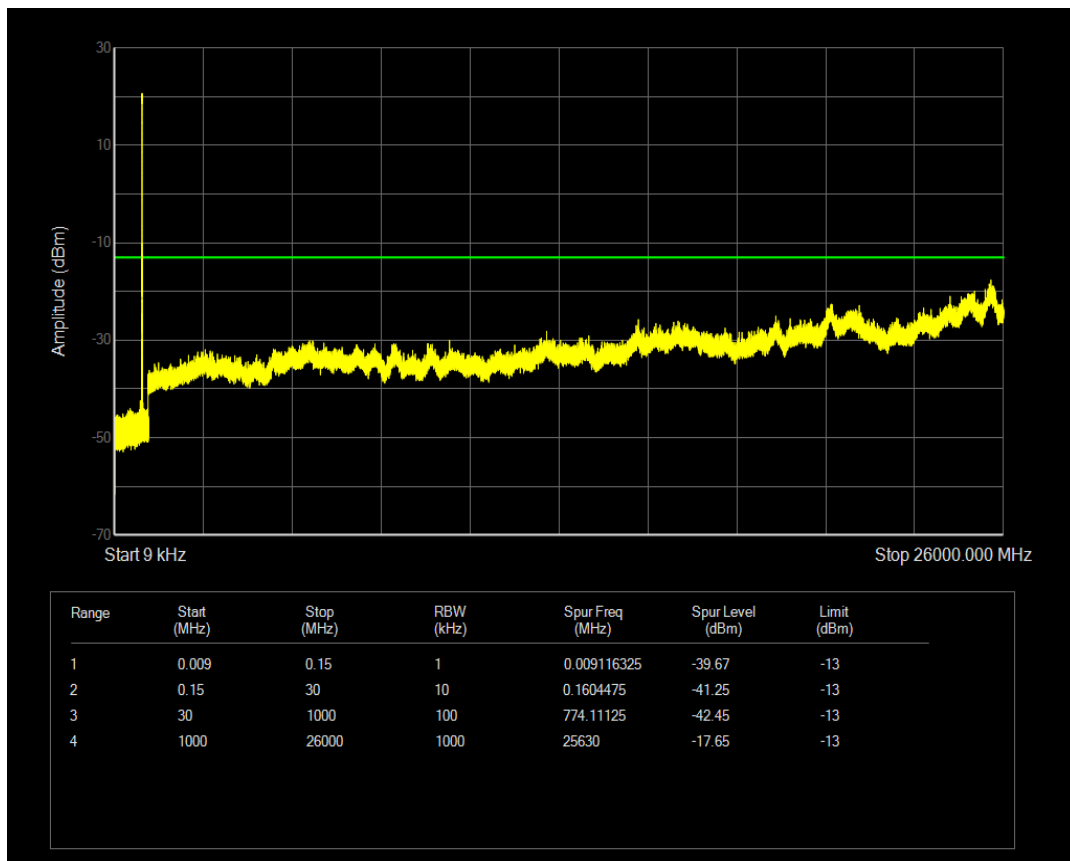
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



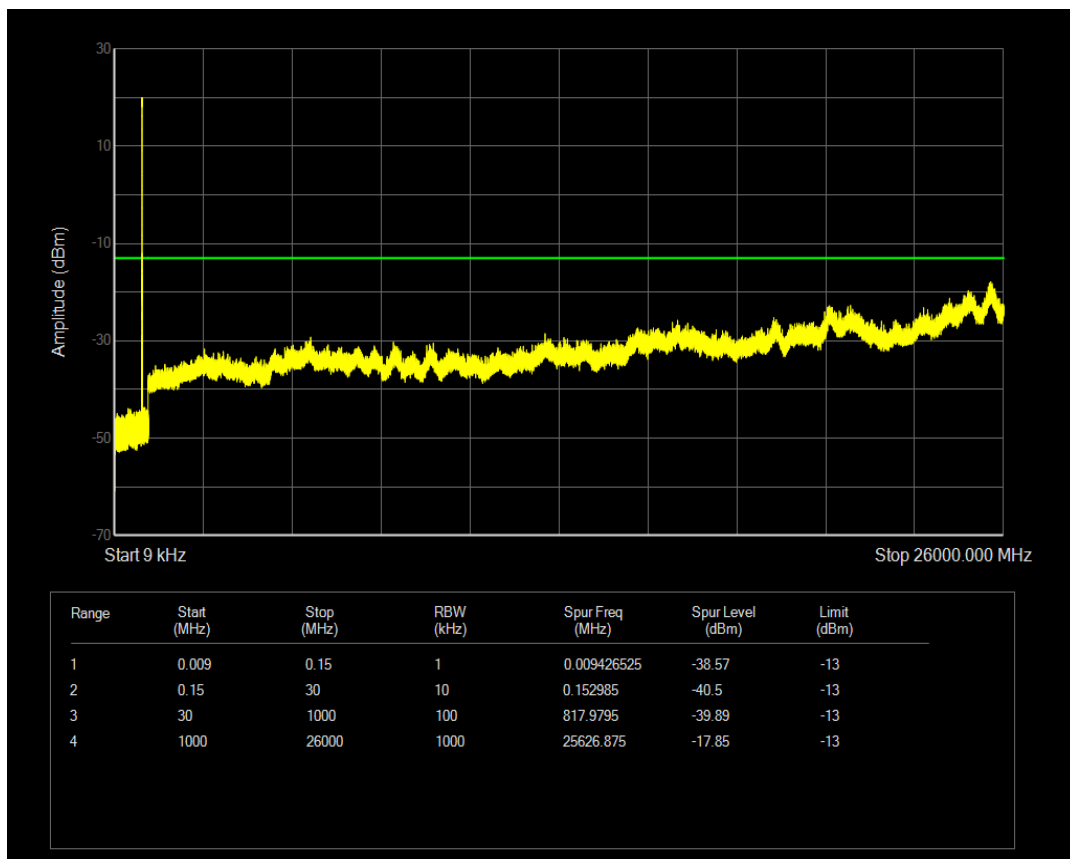
Appendix 6. Out-of-band emissions

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	25630.00	-17.65	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25626.88	-17.85	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25613.75	-18.55	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25617.50	-17.99	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25617.50	-17.82	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25657.50	-17.20	-13	PASS
Band5	3	20415	15	#0	QPSK	25578.13	-18.40	-13	PASS
Band5	3	20415	15	#0	16QAM	25659.38	-17.80	-13	PASS
Band5	3	20525	15	#0	QPSK	25612.50	-17.86	-13	PASS
Band5	3	20525	15	#0	16QAM	25623.75	-18.48	-13	PASS
Band5	3	20635	15	#0	QPSK	25612.50	-17.77	-13	PASS
Band5	3	20635	15	#0	16QAM	25590.63	-18.03	-13	PASS
Band5	5	20425	25	#0	QPSK	25666.25	-17.79	-13	PASS
Band5	5	20425	25	#0	16QAM	25606.25	-18.28	-13	PASS
Band5	5	20525	25	#0	QPSK	25653.13	-18.18	-13	PASS
Band5	5	20525	25	#0	16QAM	25674.38	-18.67	-13	PASS
Band5	5	20625	25	#0	QPSK	25710.00	-18.63	-13	PASS
Band5	5	20625	25	#0	16QAM	25690.63	-17.97	-13	PASS
Band5	10	20450	50	#0	QPSK	25627.50	-18.87	-13	PASS
Band5	10	20450	50	#0	16QAM	25651.88	-18.04	-13	PASS
Band5	10	20525	50	#0	QPSK	25630.63	-18.66	-13	PASS
Band5	10	20525	50	#0	16QAM	25606.88	-17.46	-13	PASS
Band5	10	20600	50	#0	QPSK	25663.75	-18.48	-13	PASS
Band5	10	20600	50	#0	16QAM	25624.38	-18.60	-13	PASS

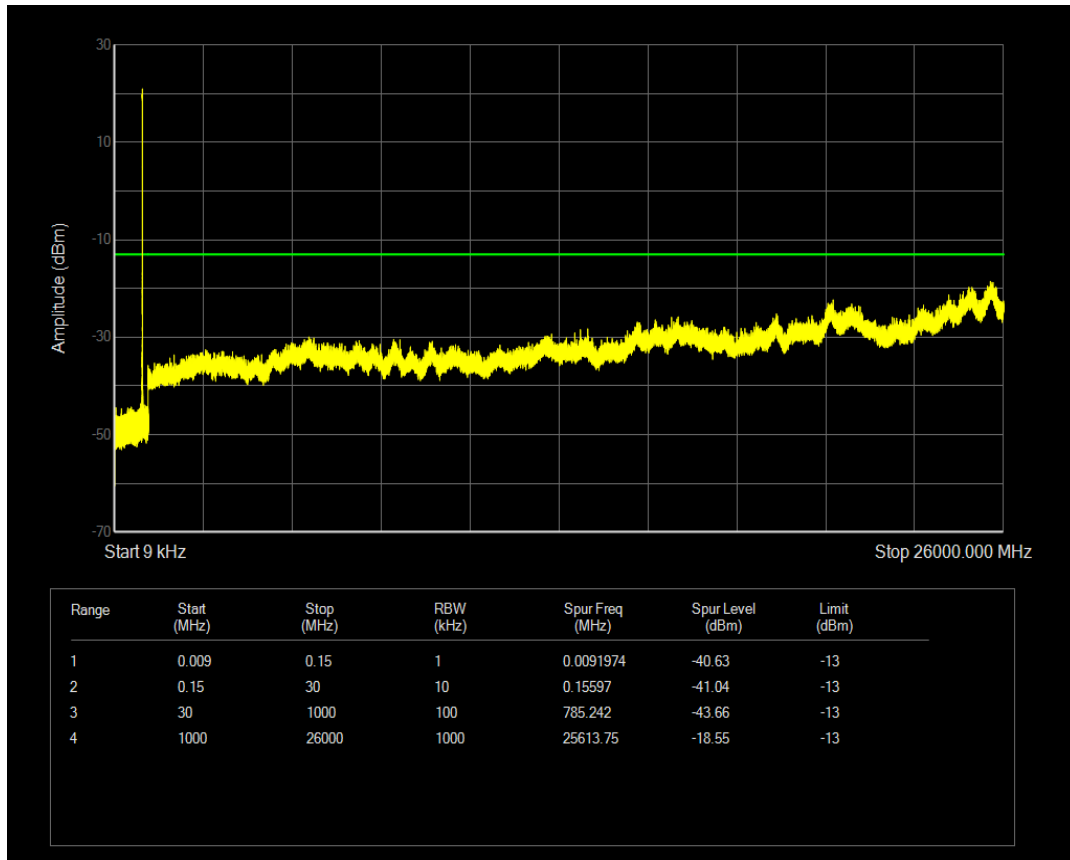
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



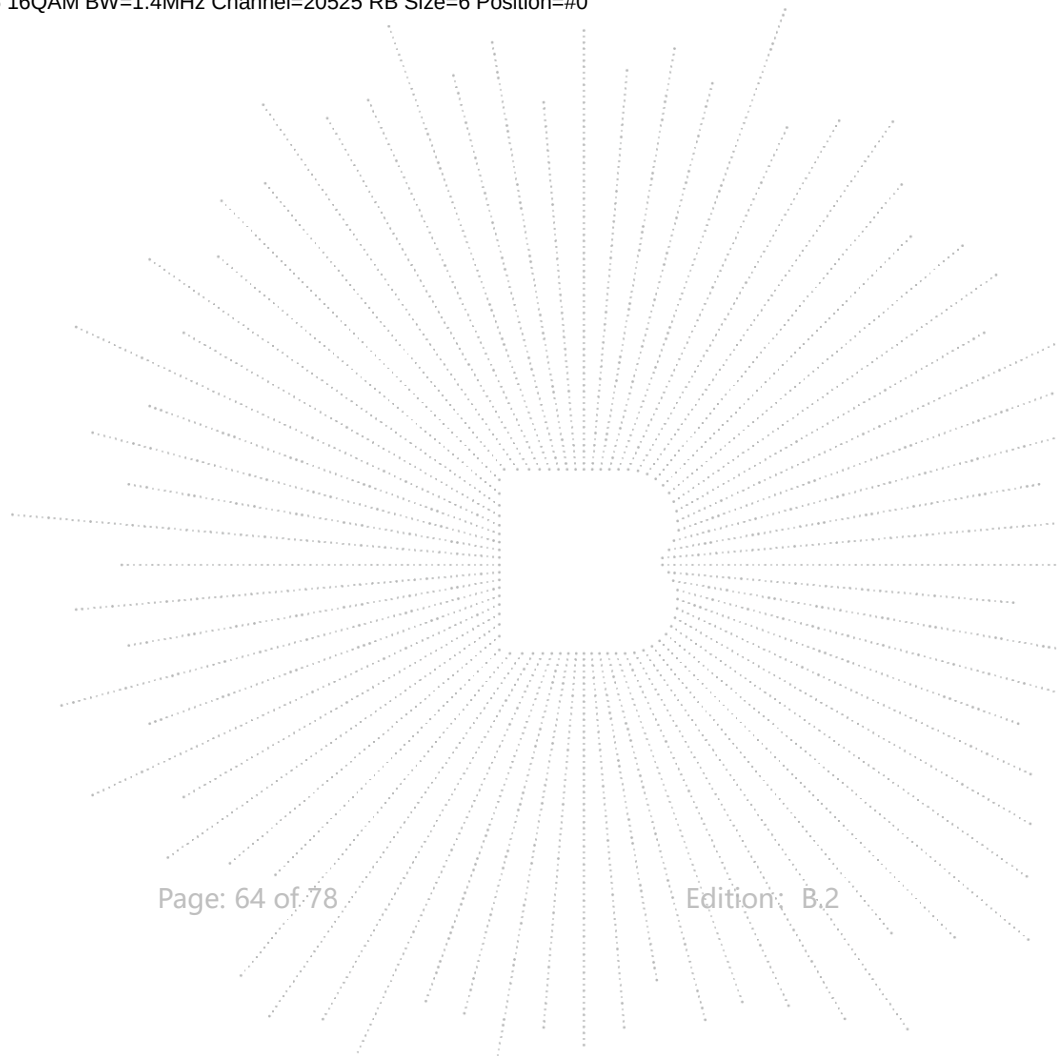
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

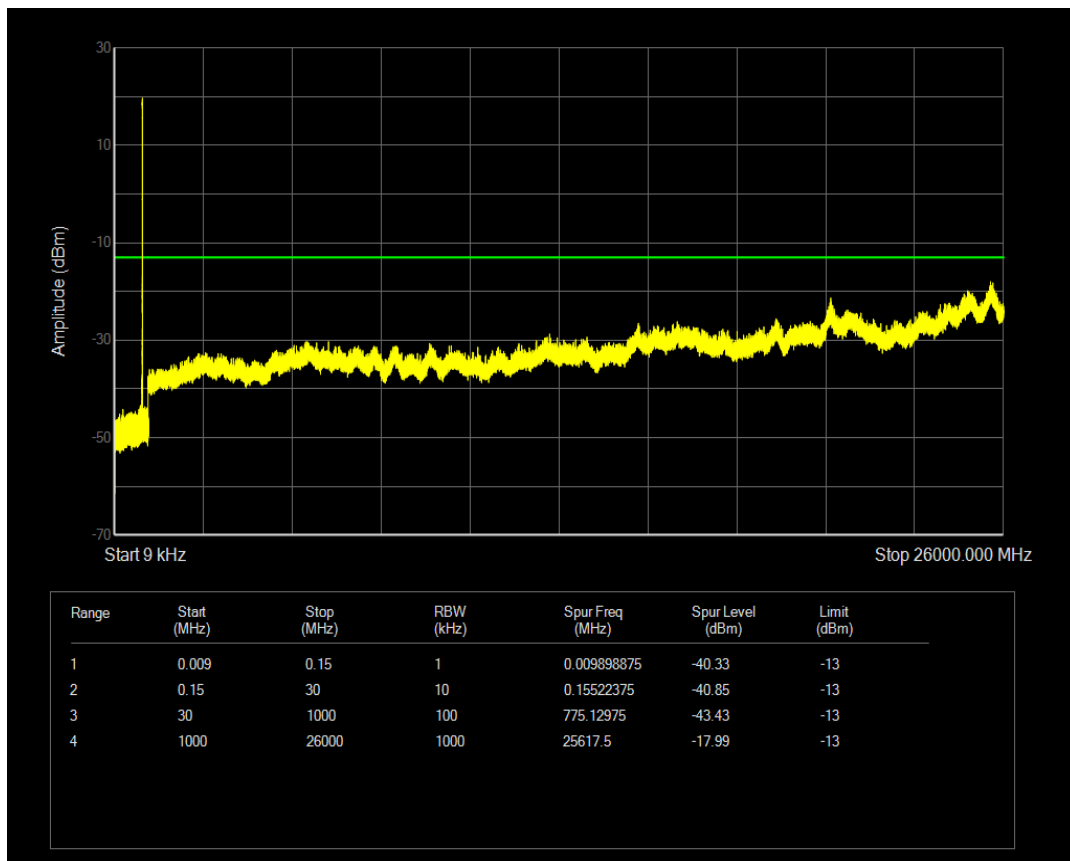


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

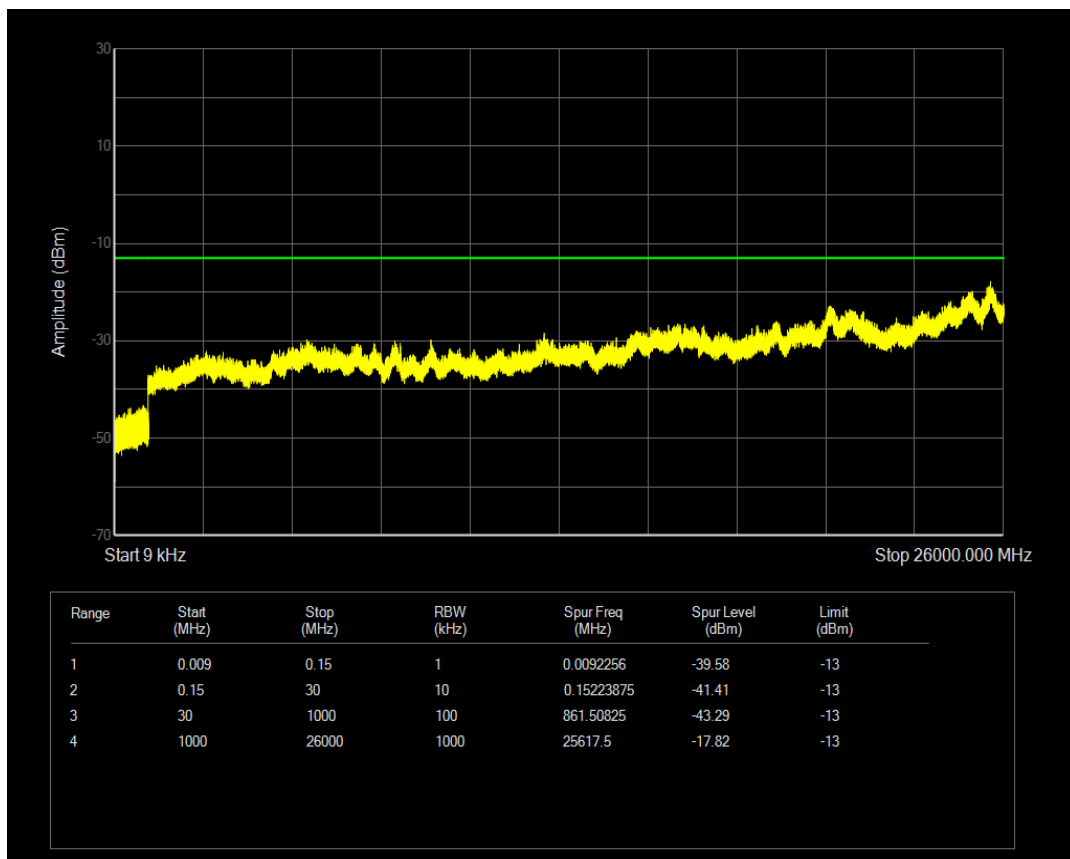


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

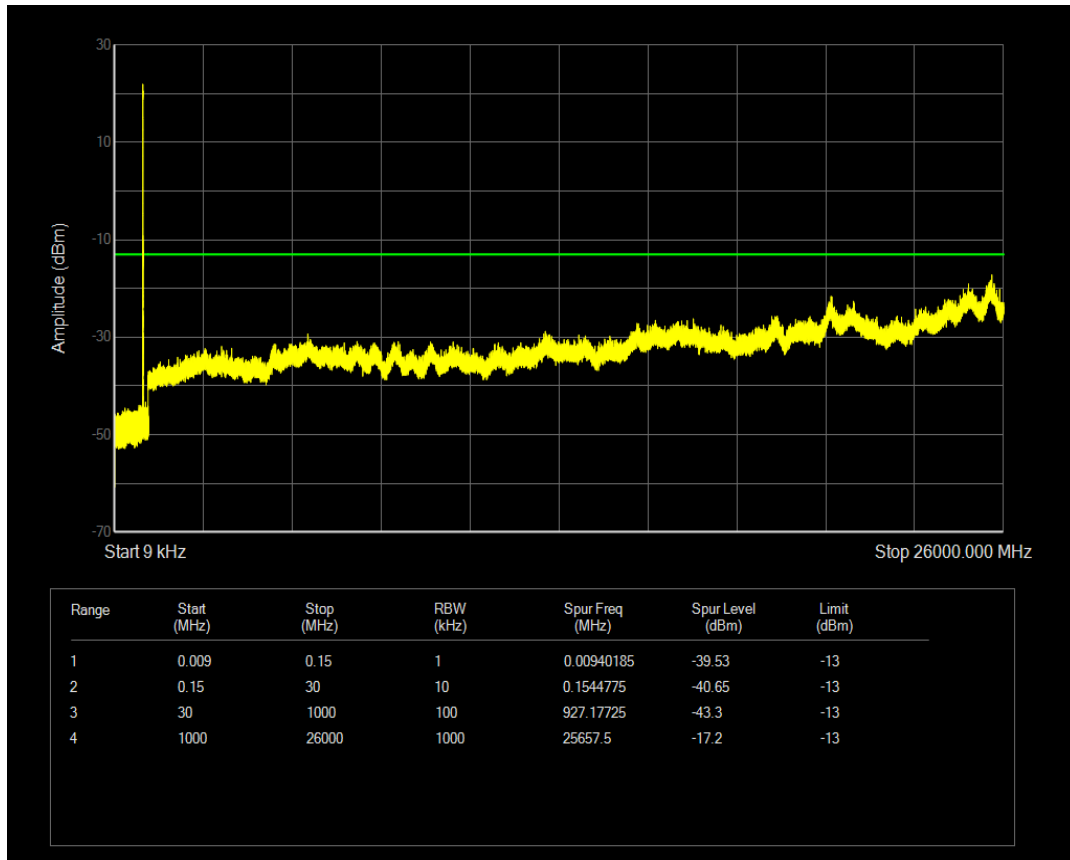




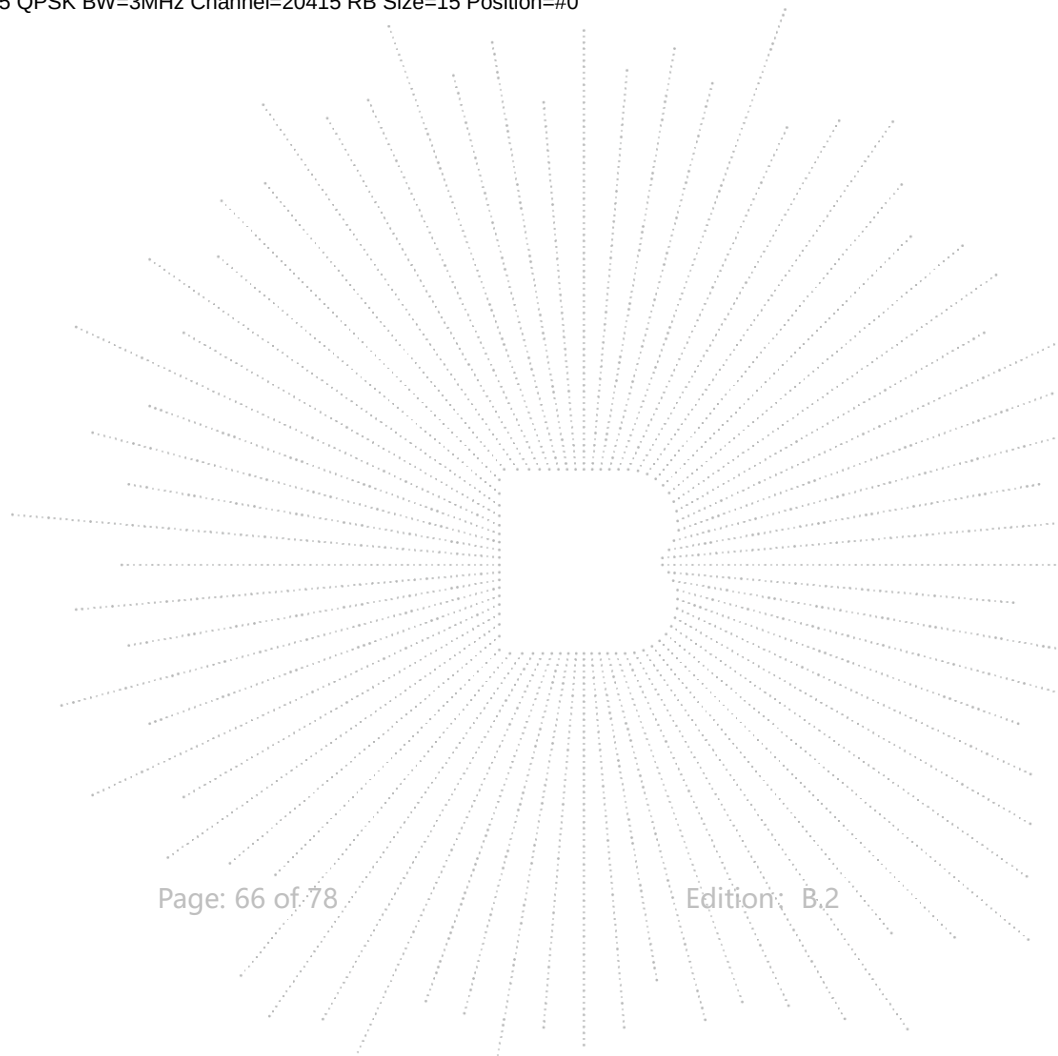
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

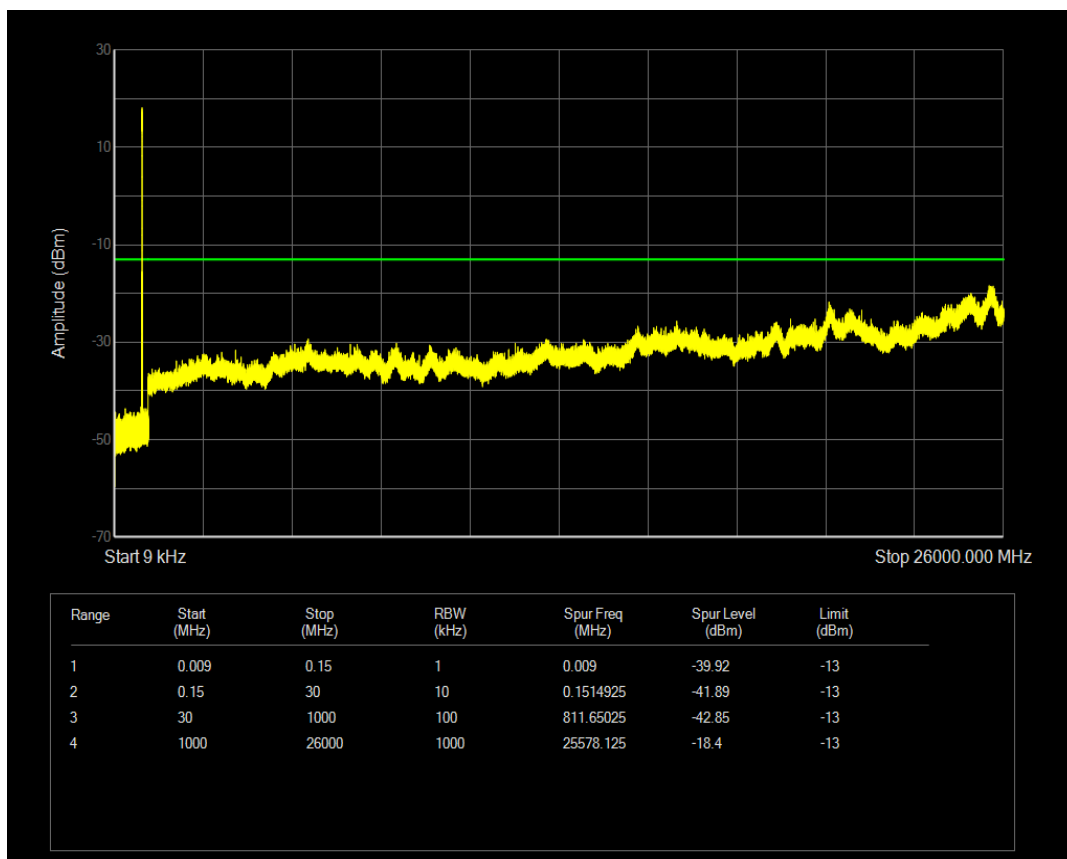


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

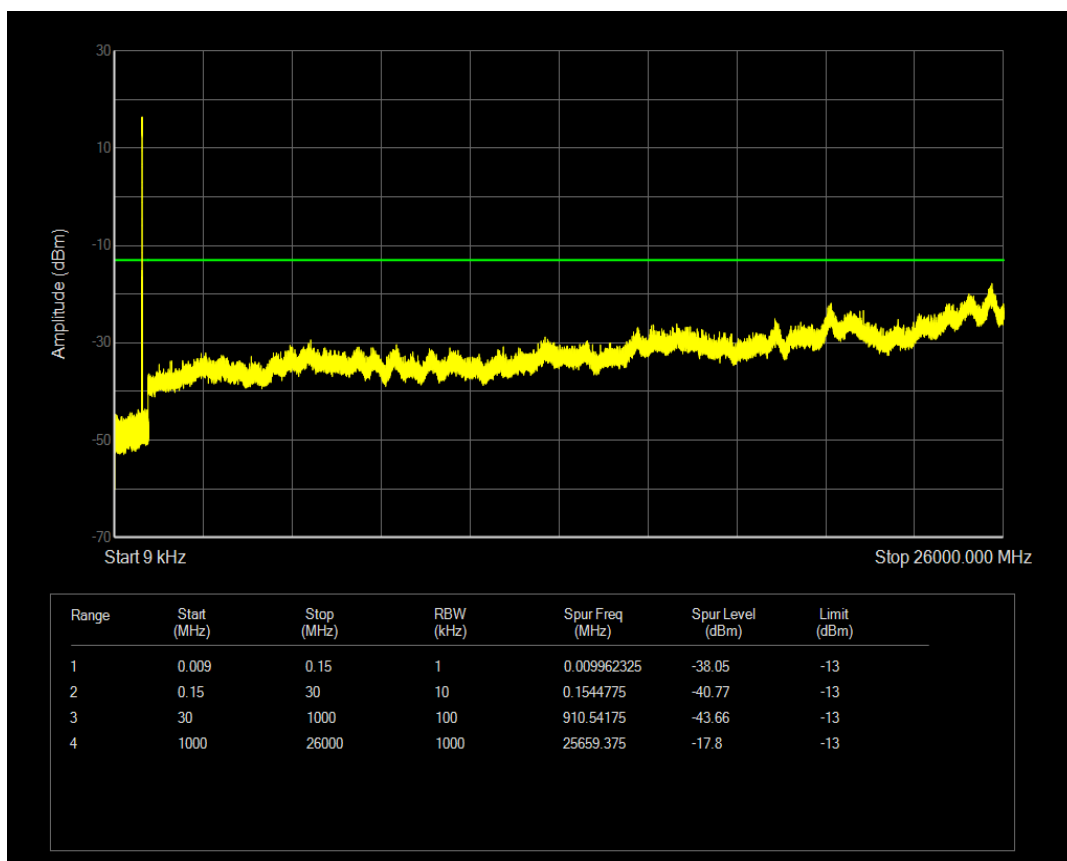


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

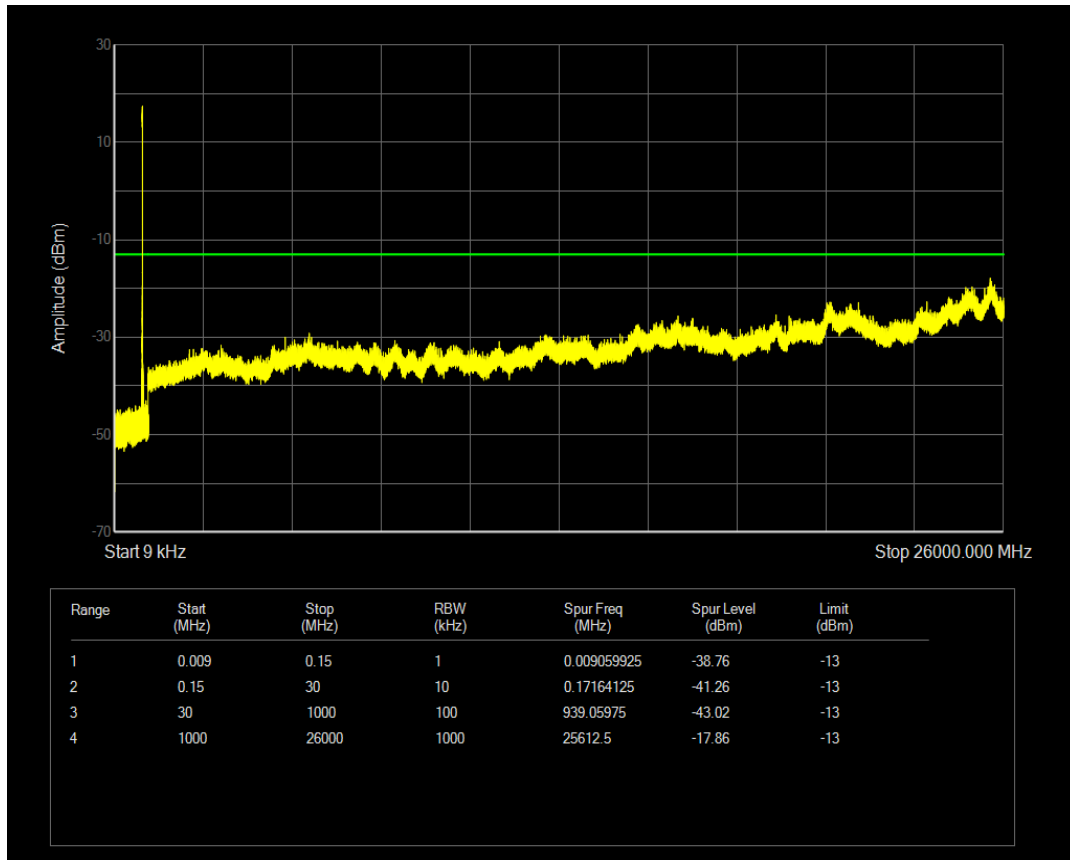




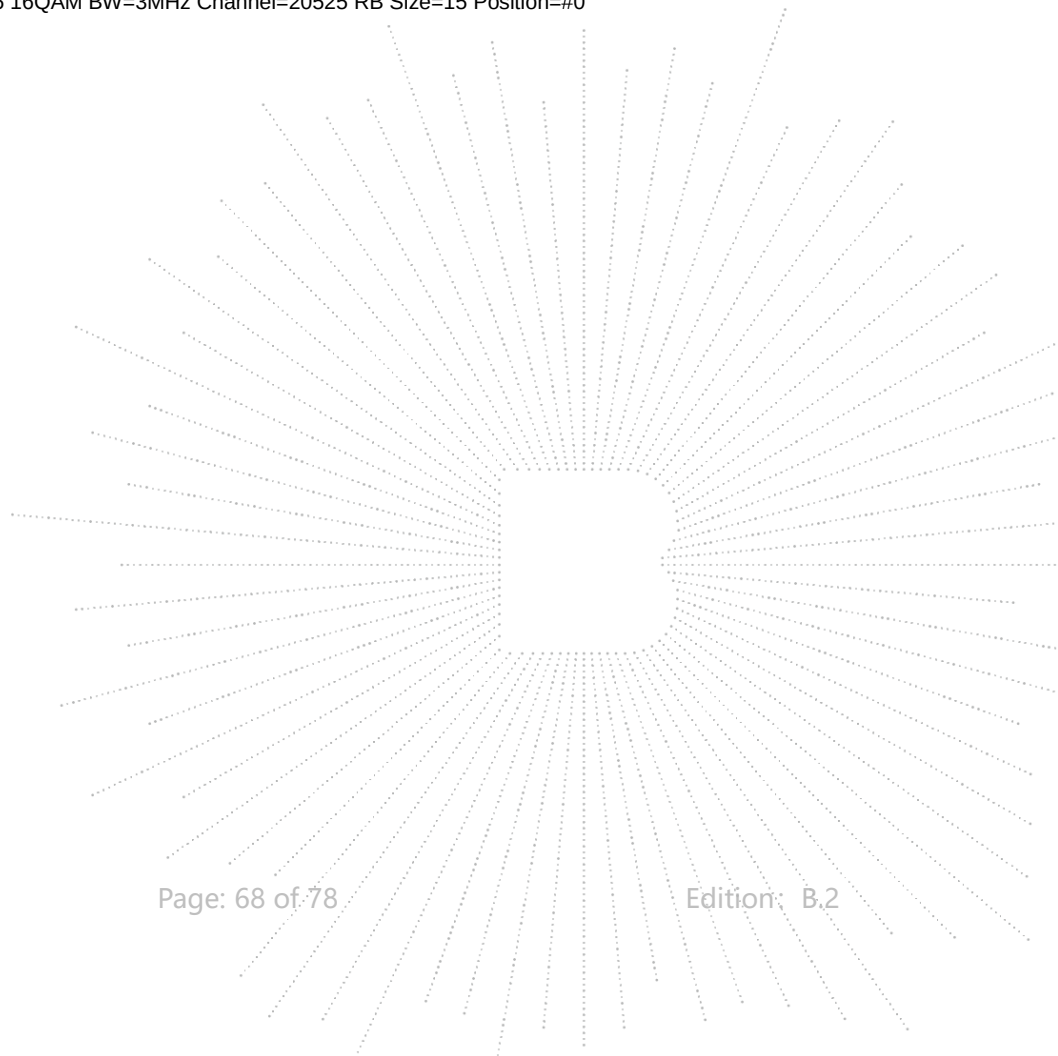
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

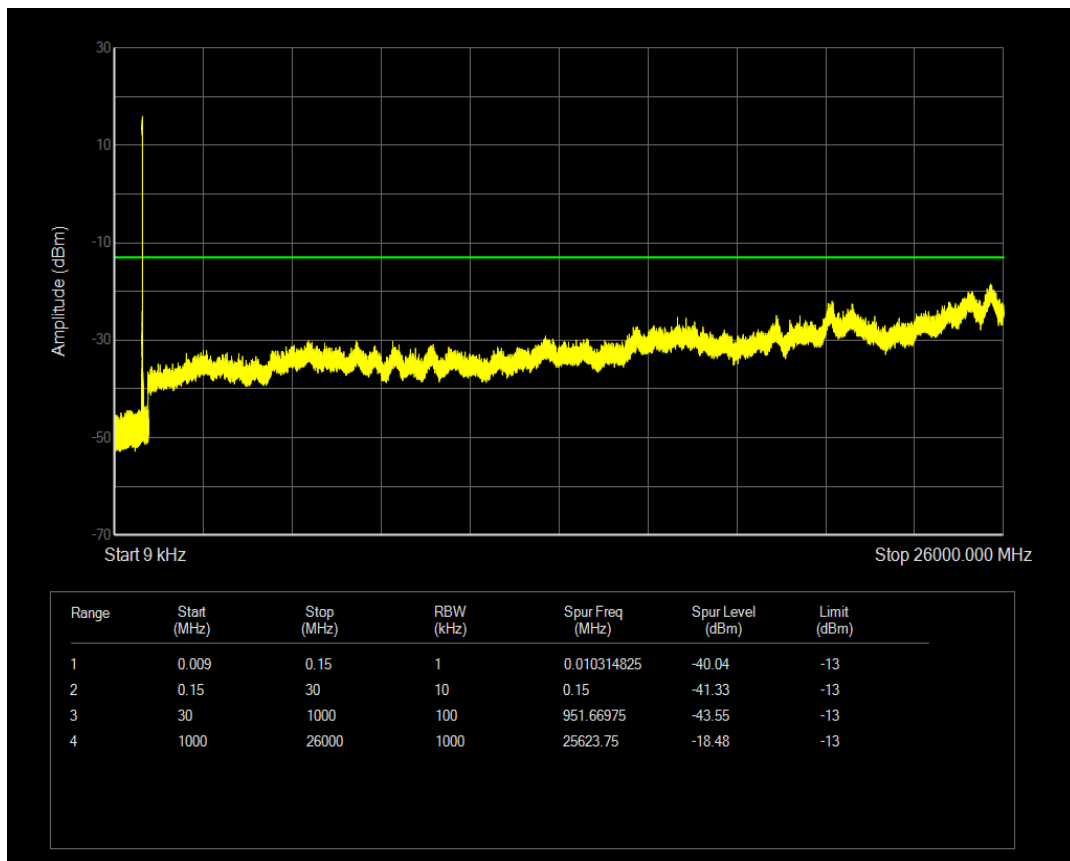


Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

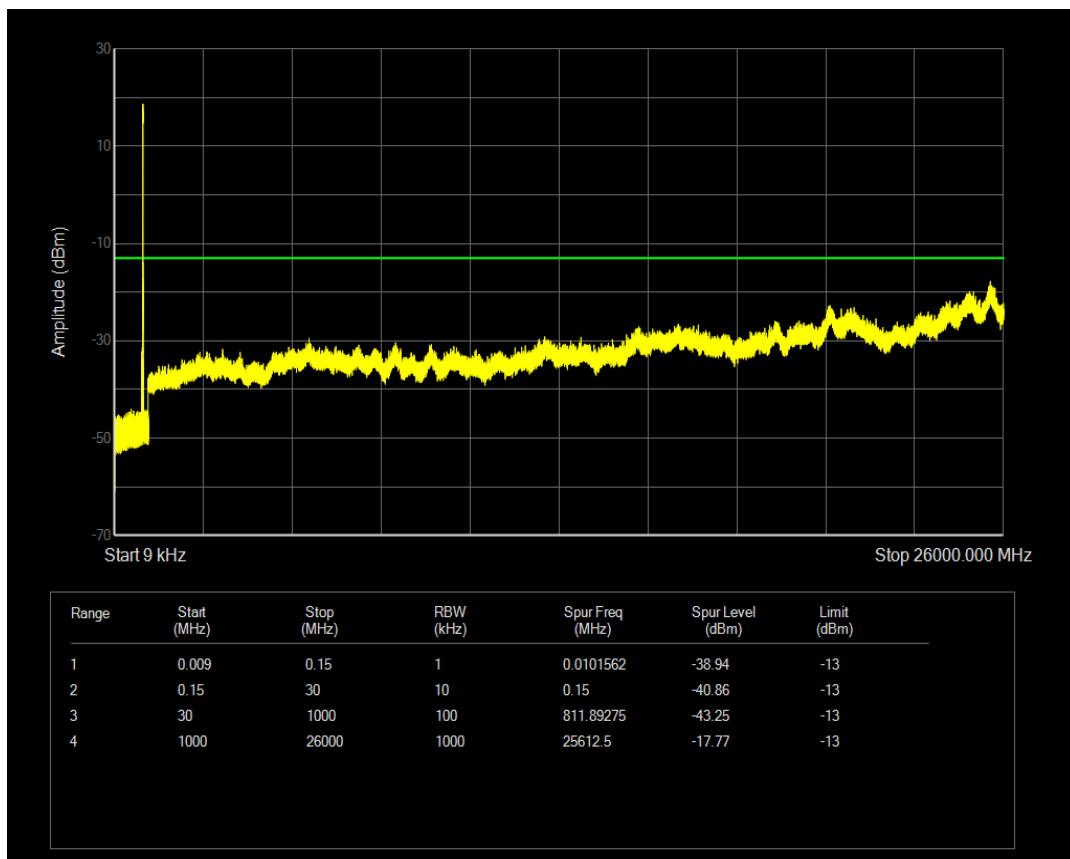


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

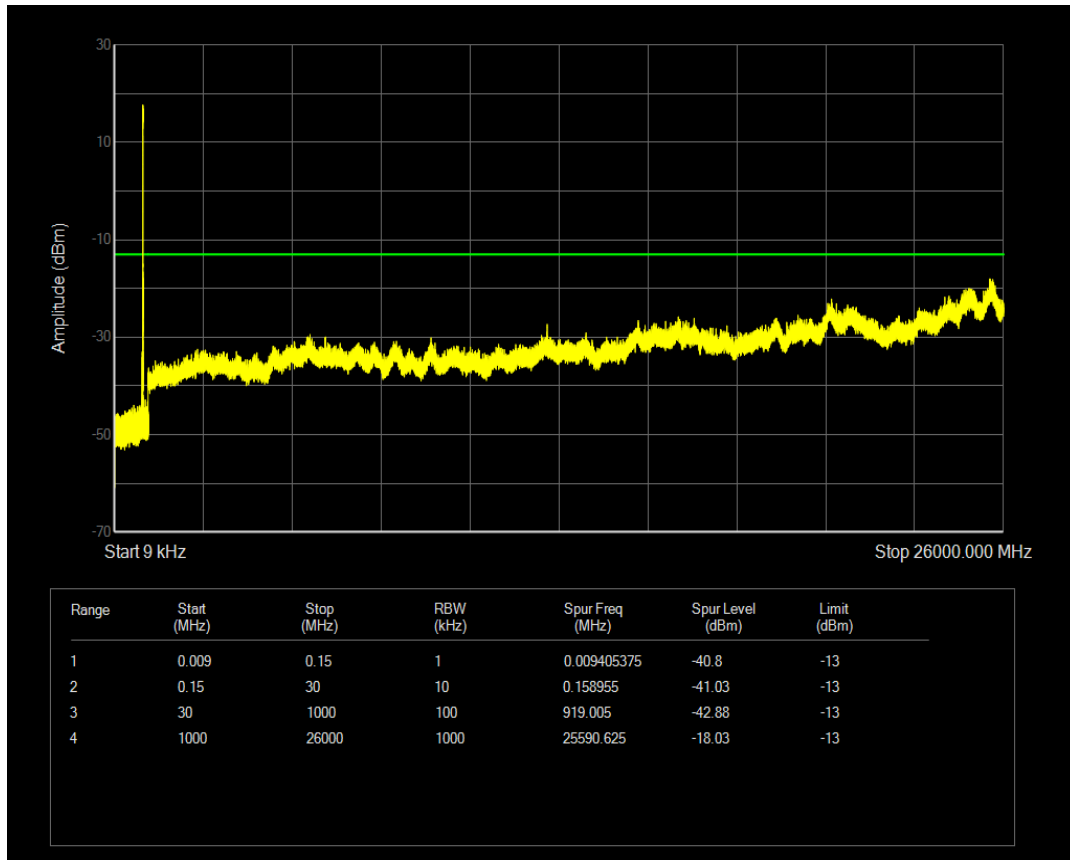




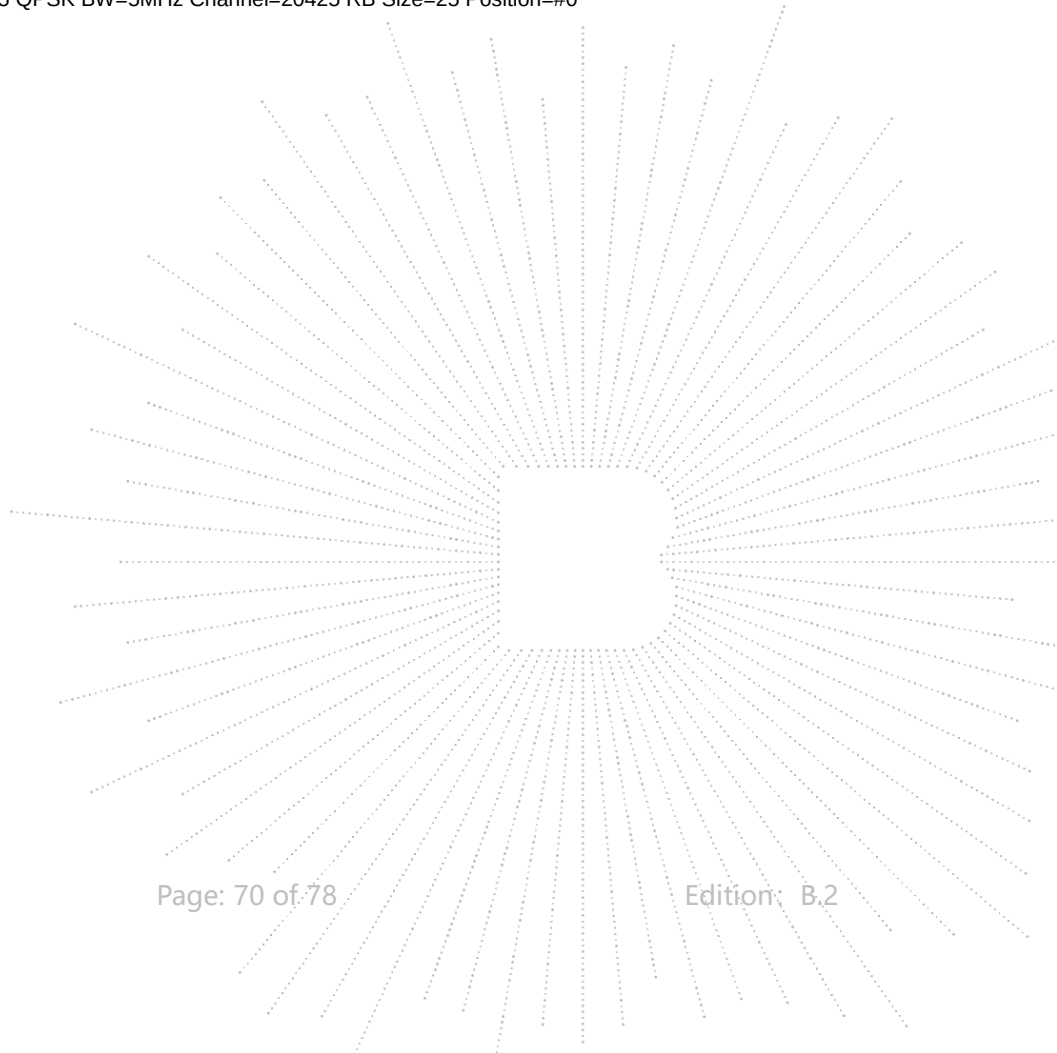
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

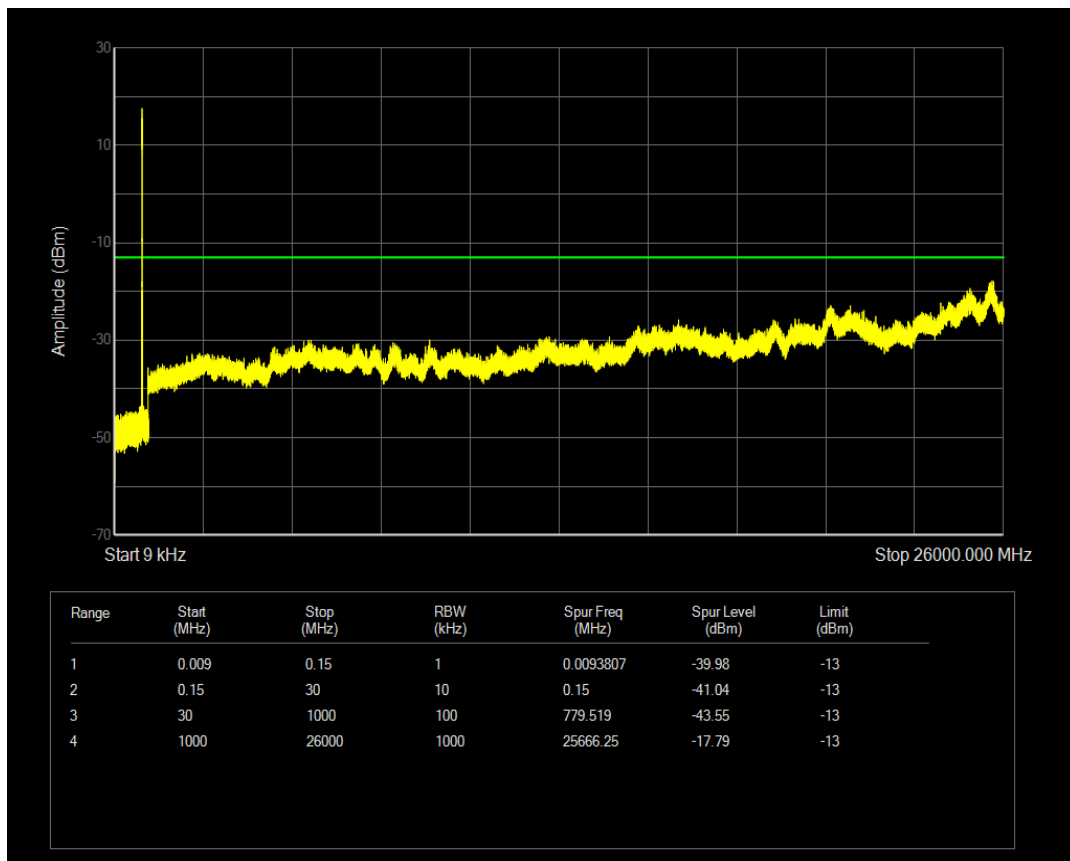


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

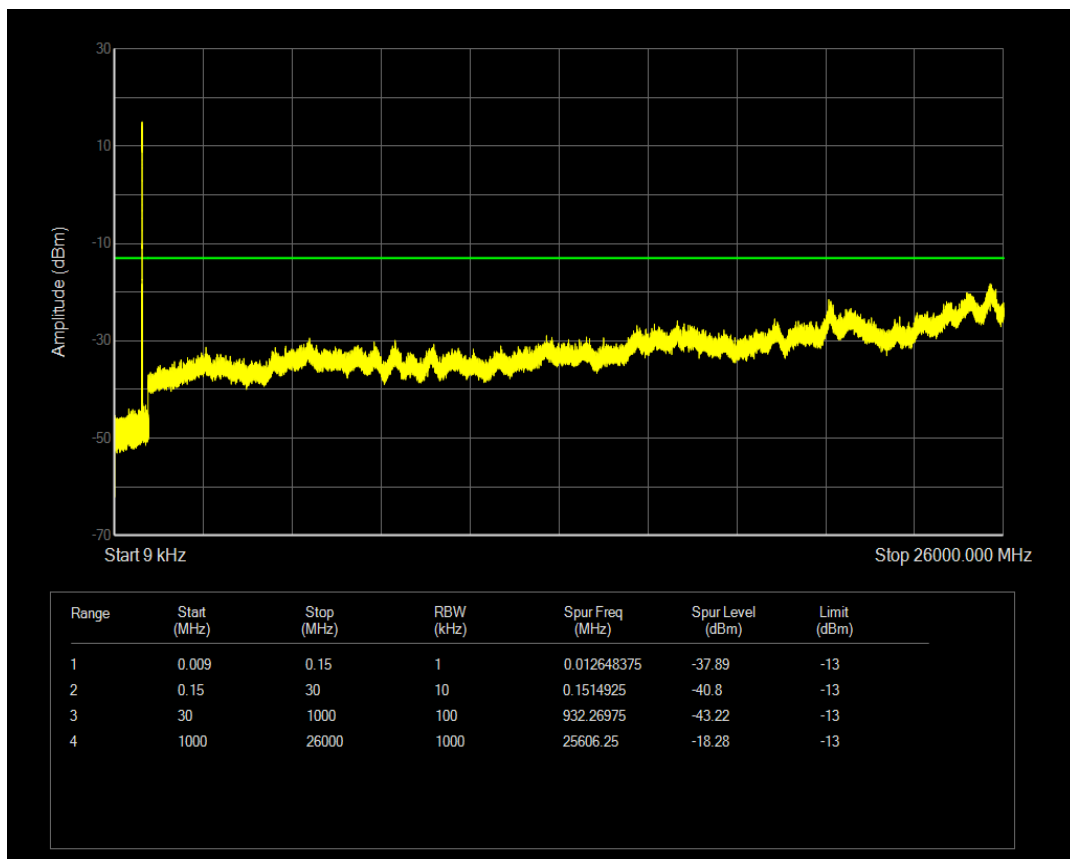


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

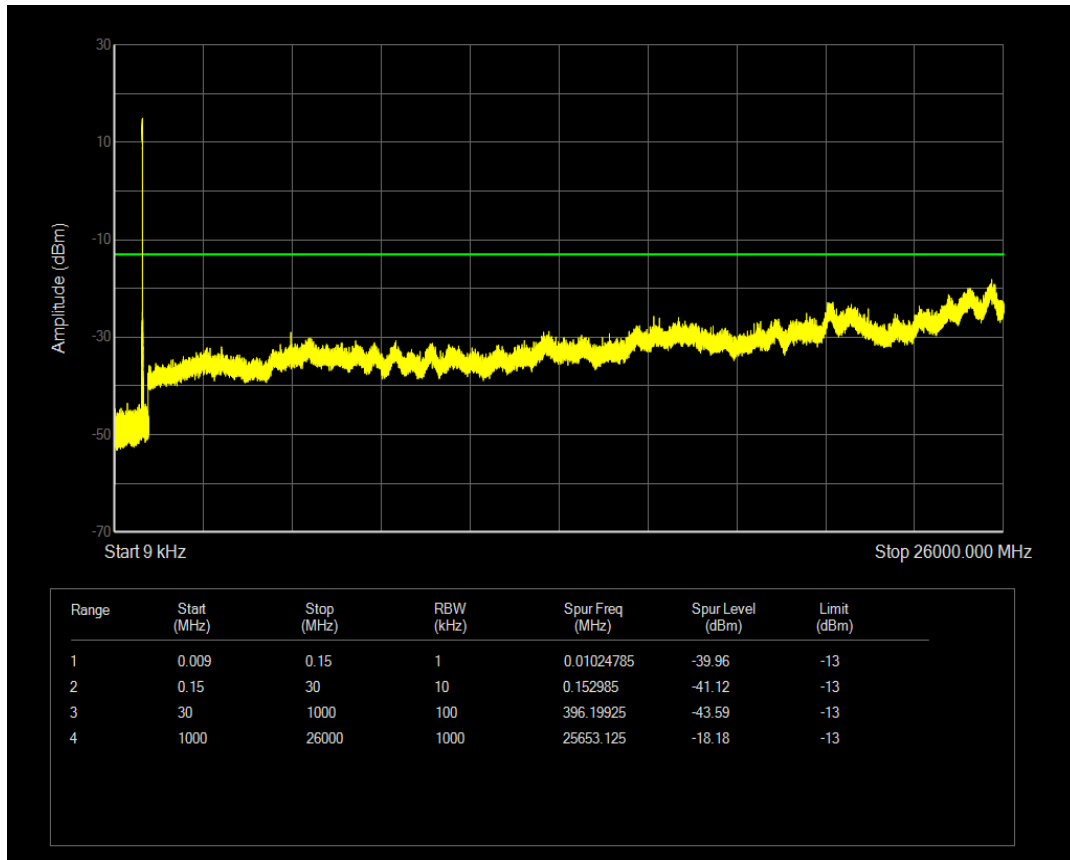




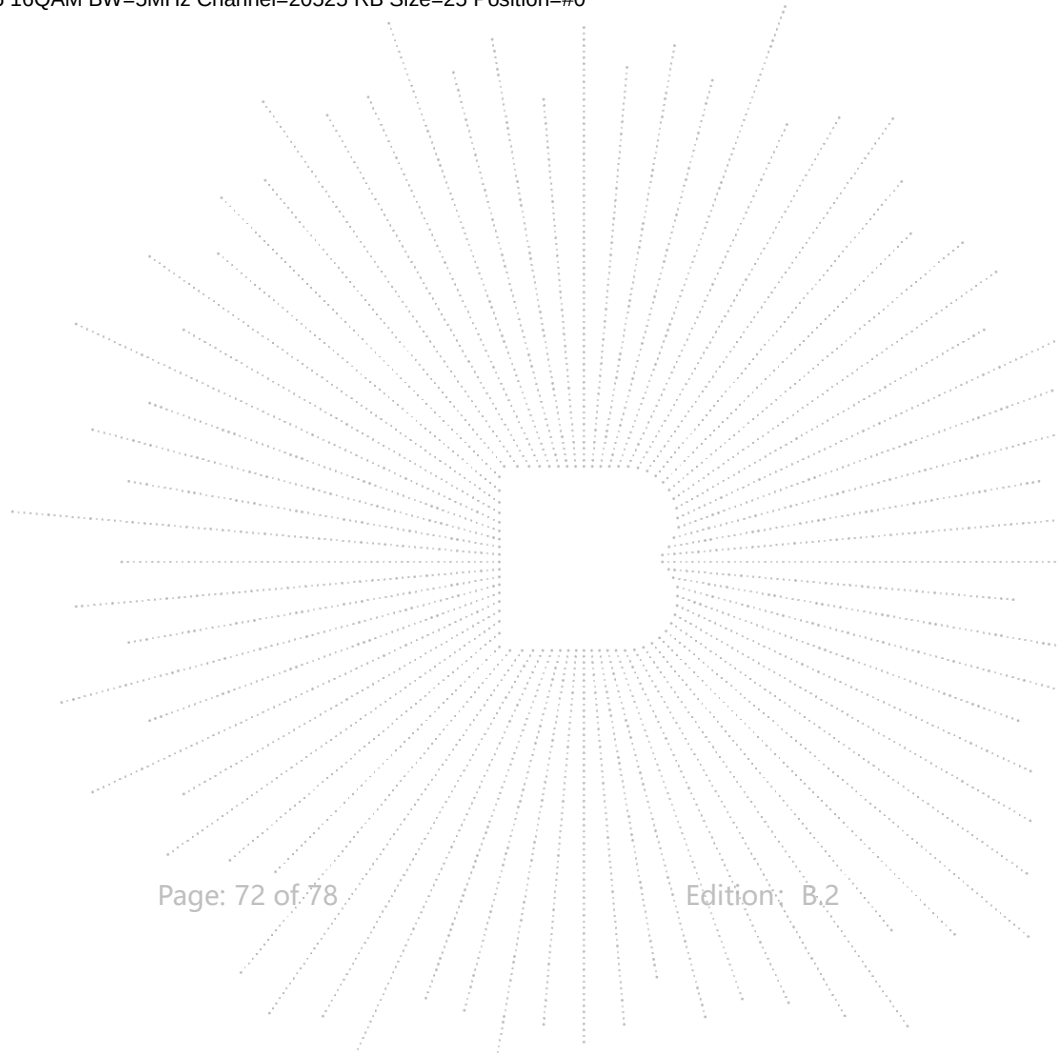
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

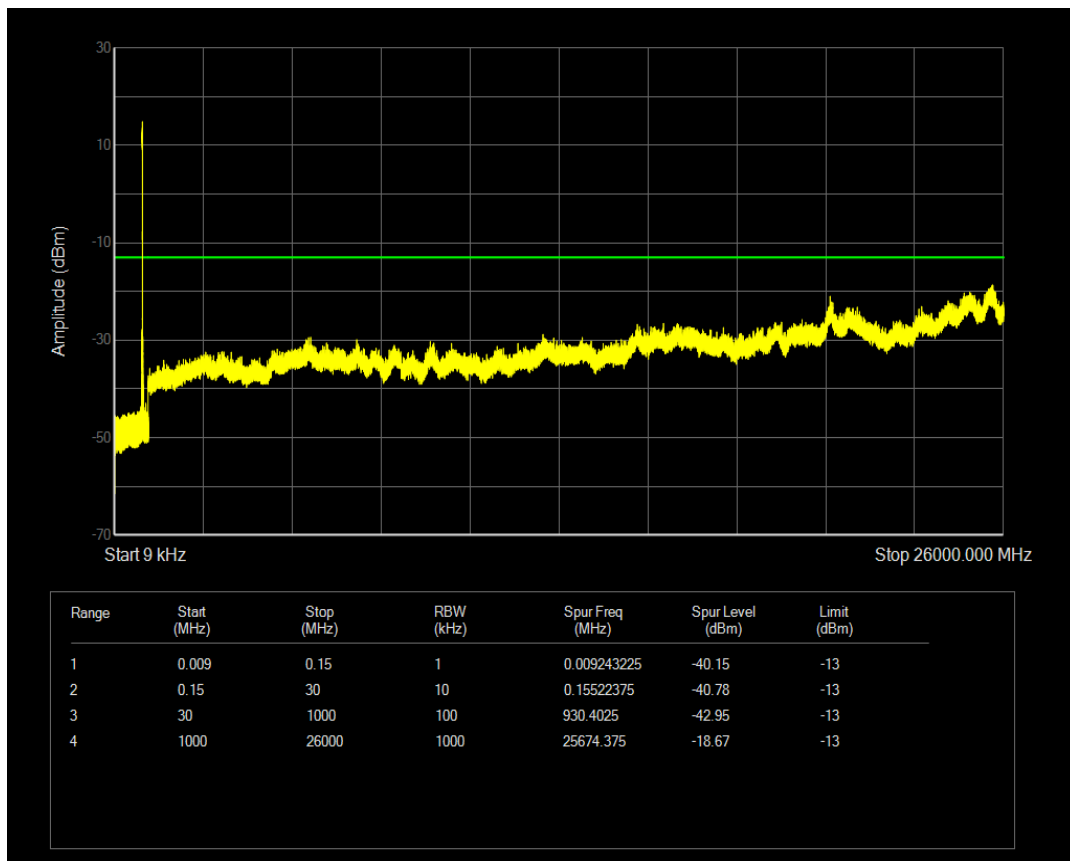


Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

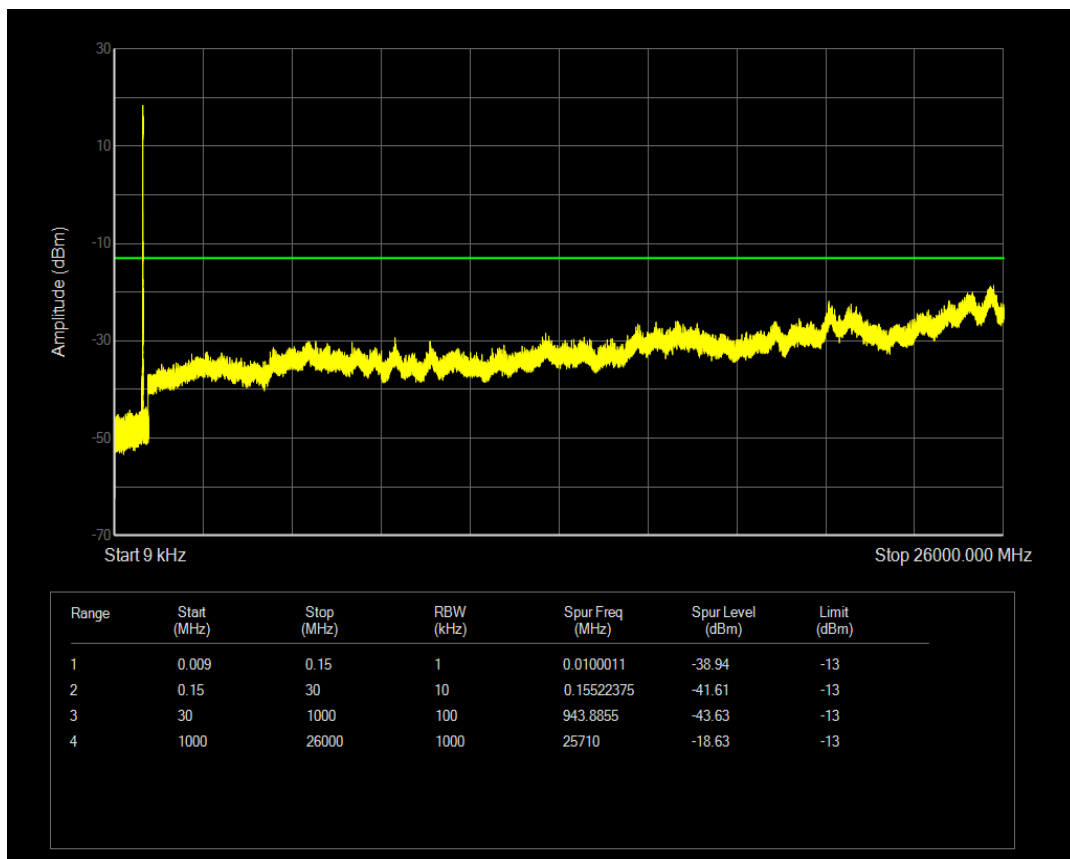


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

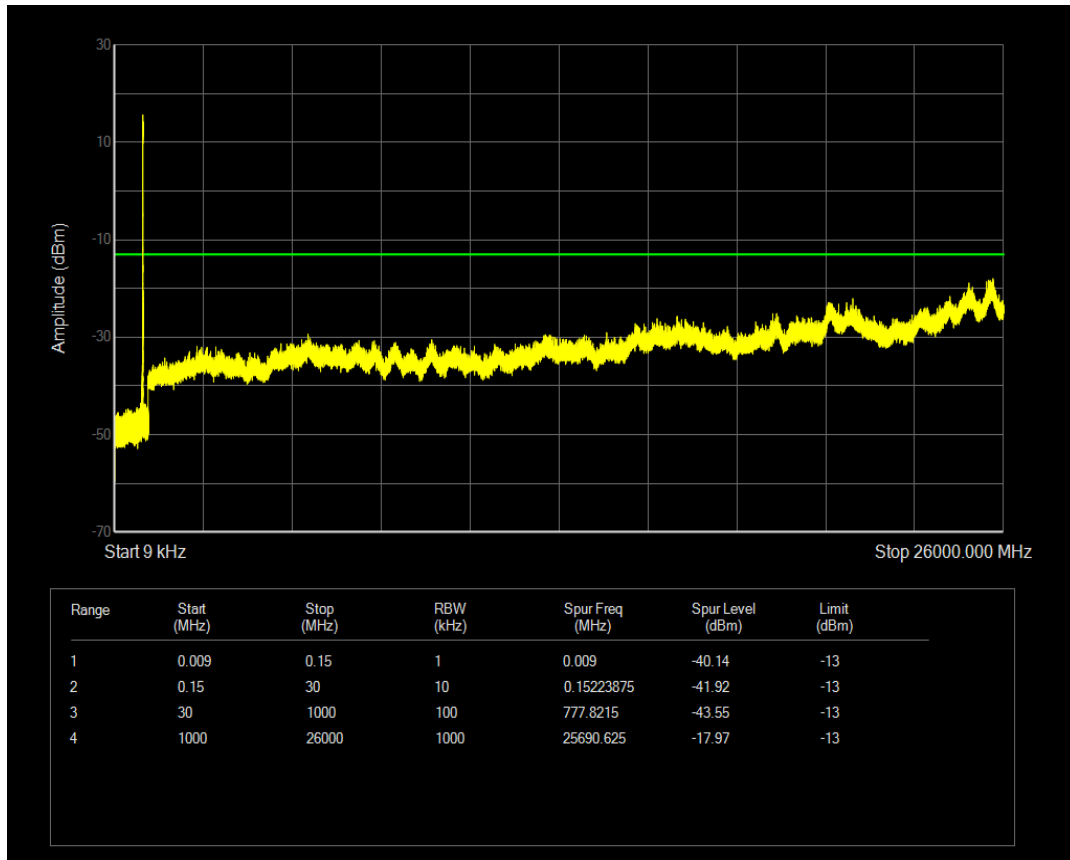




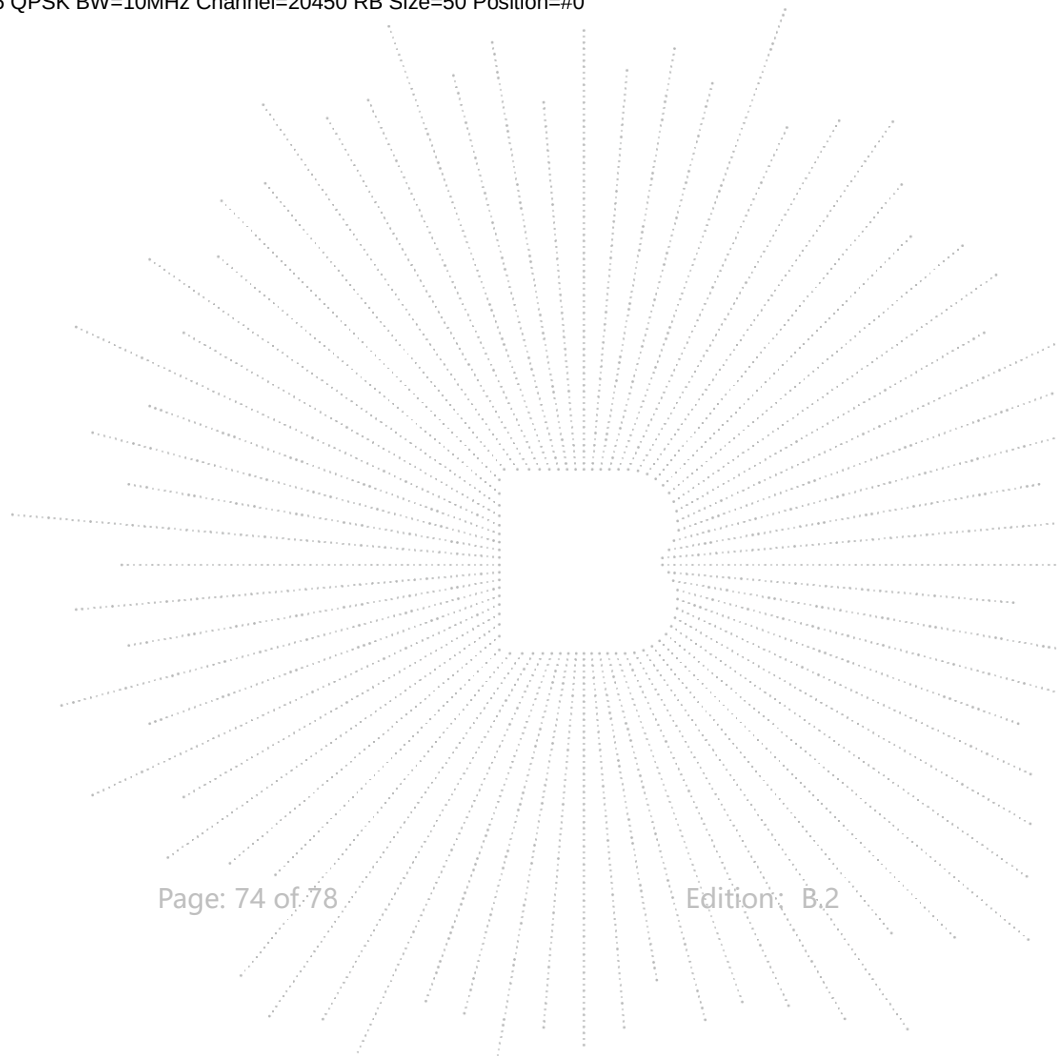
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

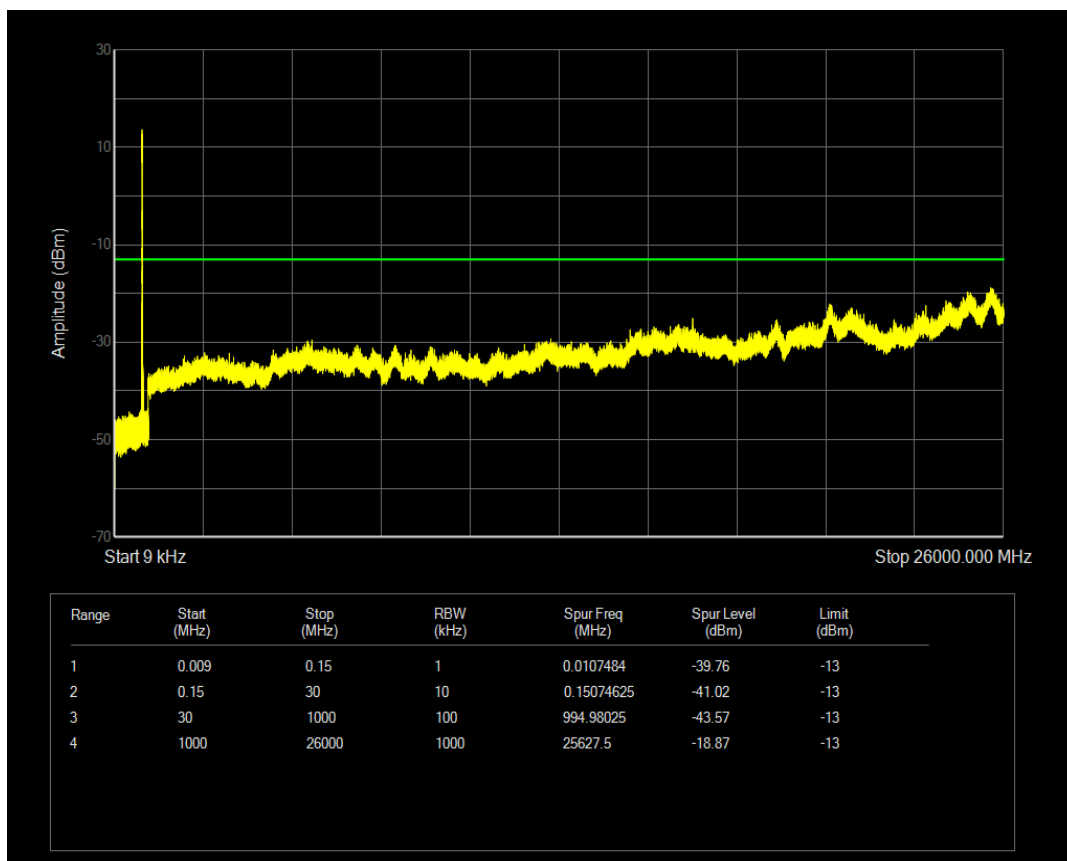


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

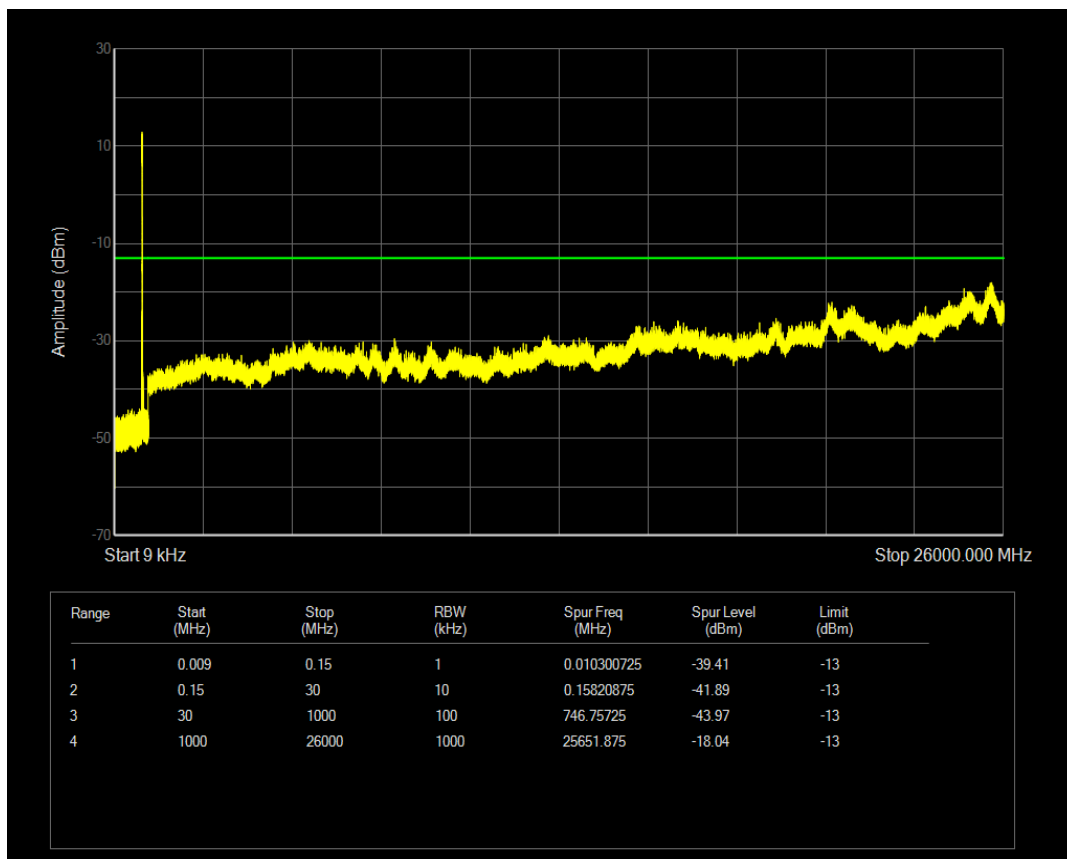


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

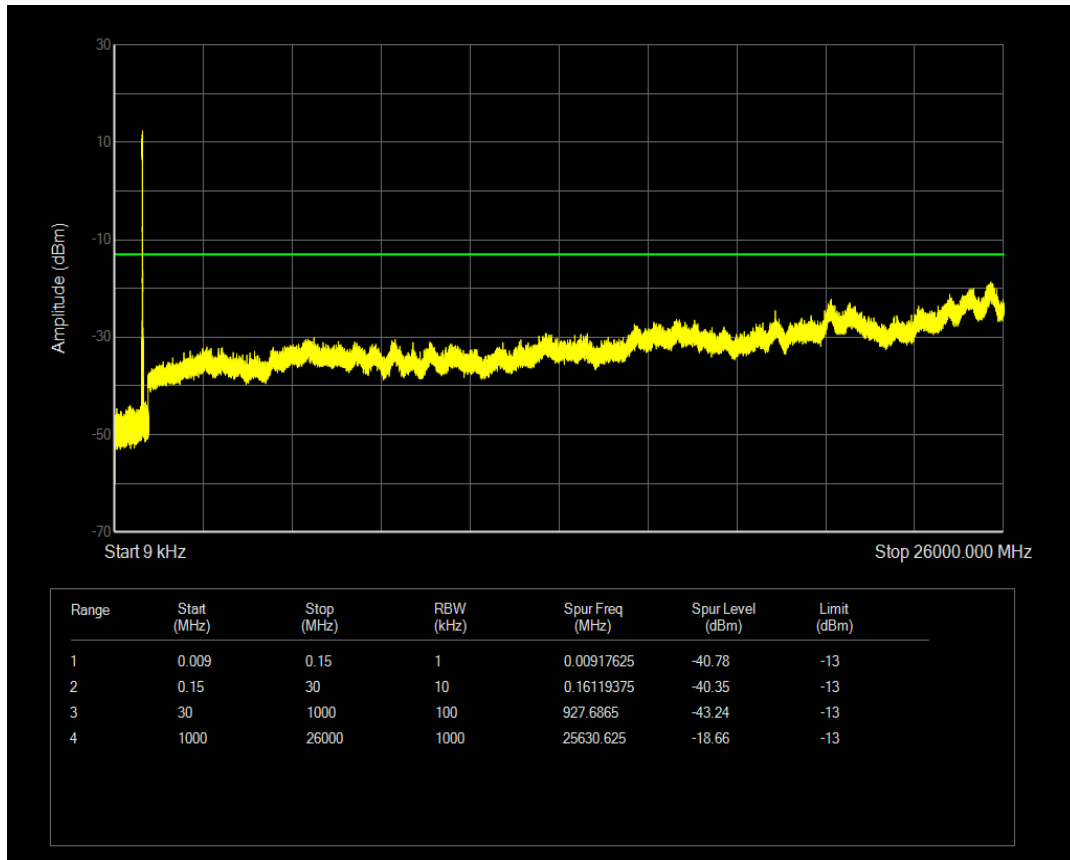




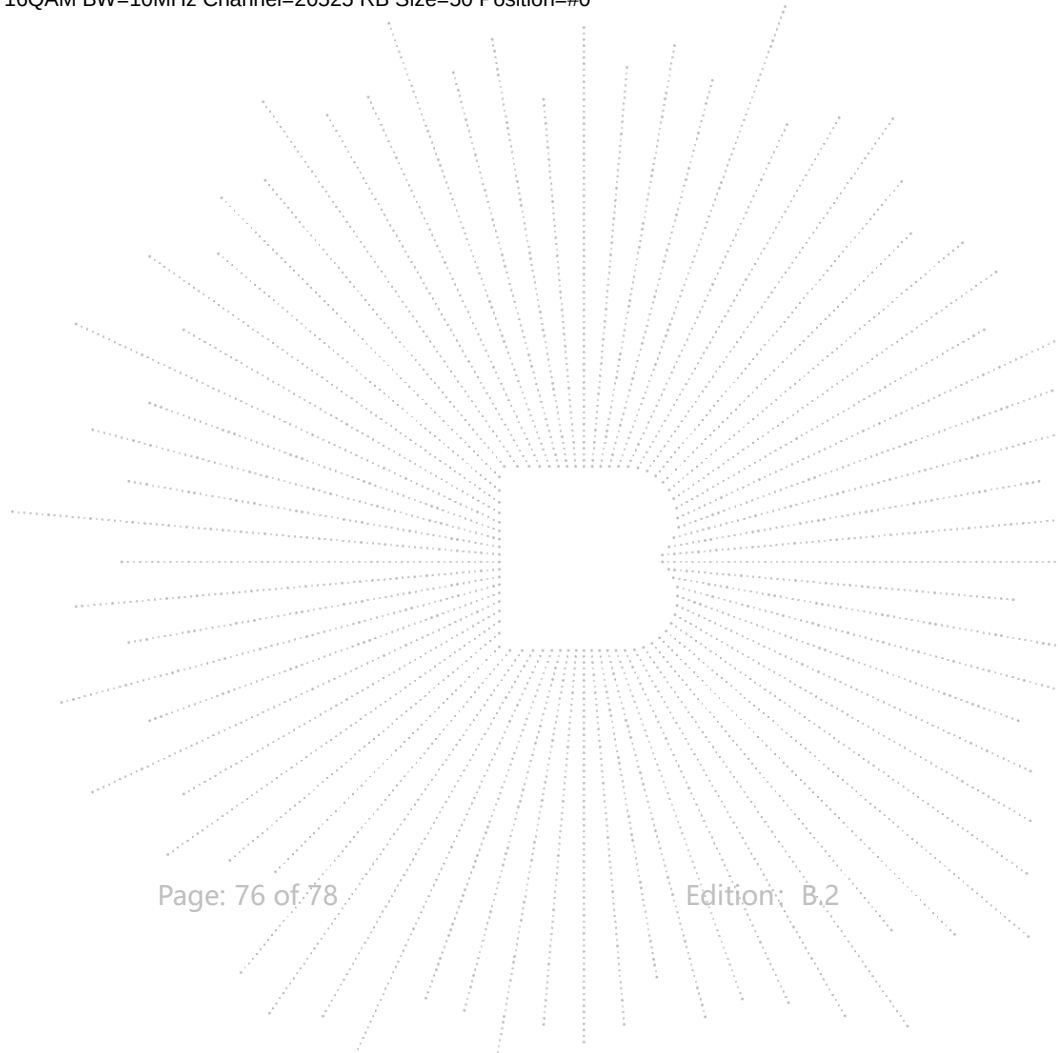
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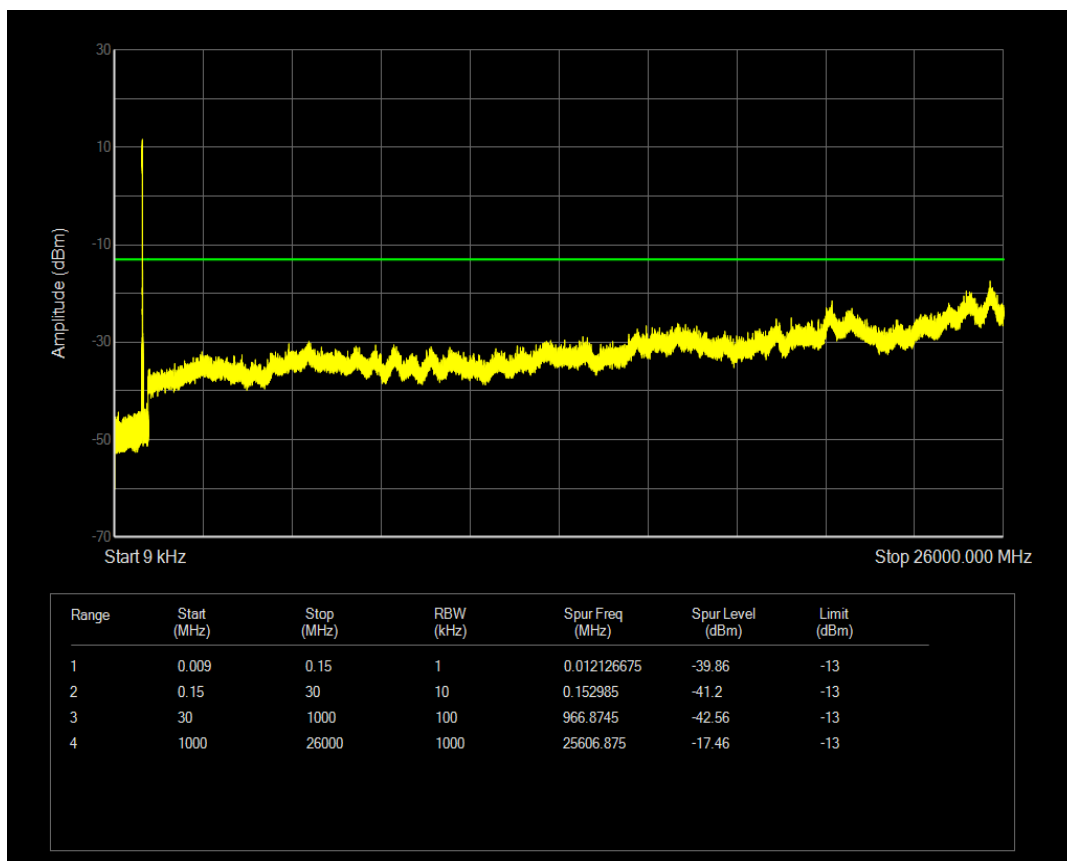


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

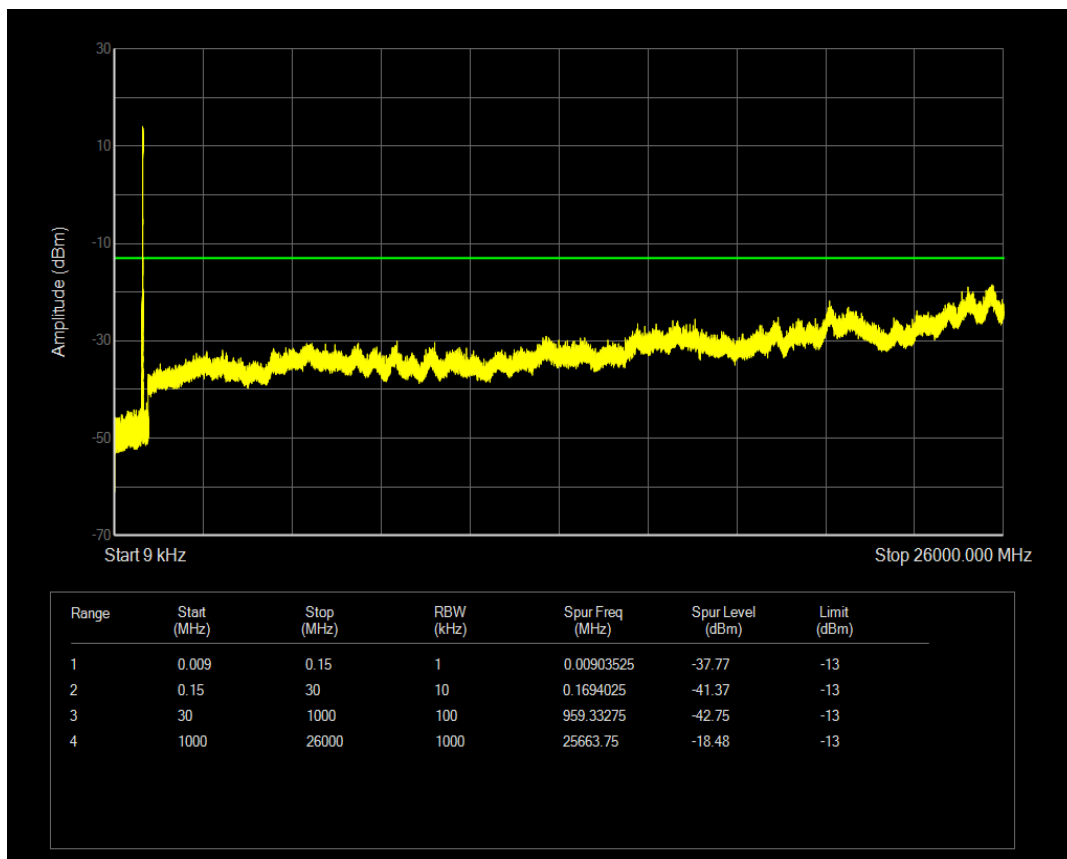


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



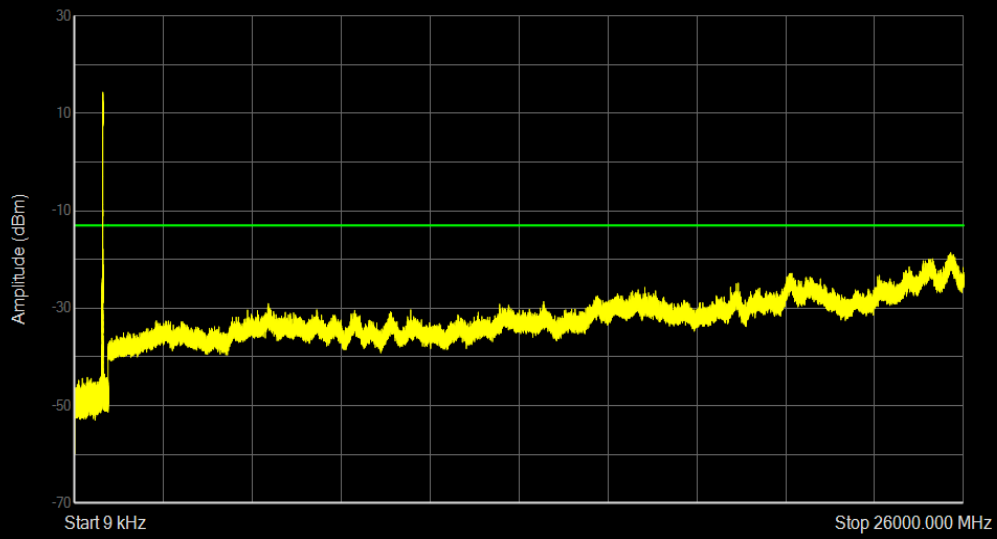


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0





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	0.0116649	-40.07	-13
2	0.15	30	10	0.164925	-39.32	-13
3	30	1000	100	901.8845	-43.55	-13
4	1000	26000	1000	25624.375	-18.6	-13

