

Appendix for Band 5

Report No.: BCTC2411327947-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

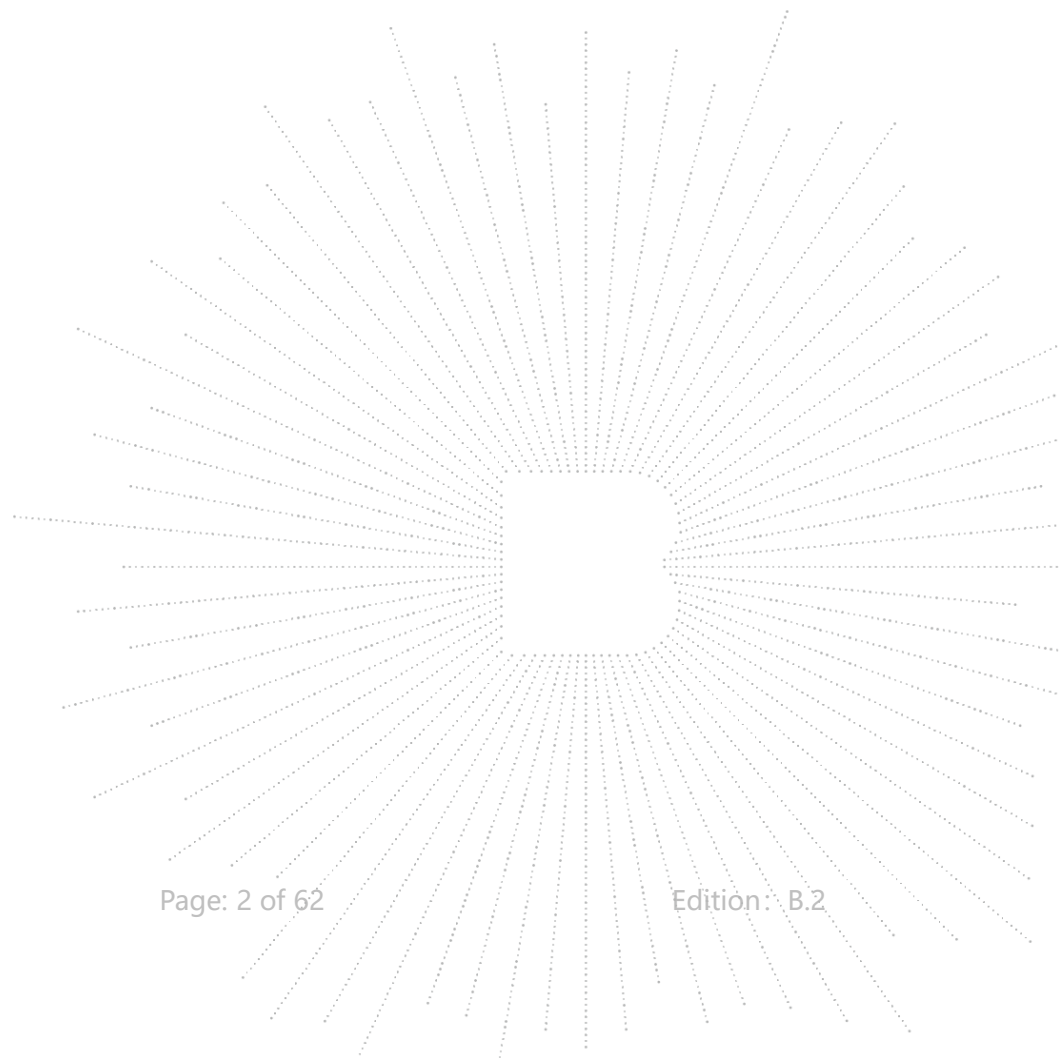
Test Model: C59

Tested Date: 2024-11-22 to 2025-02-25

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	15
Appendix 4. Occupied bandwidth	28
Appendix 5. Band edge	41
Appendix 6. Out-of-band emissions	50



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

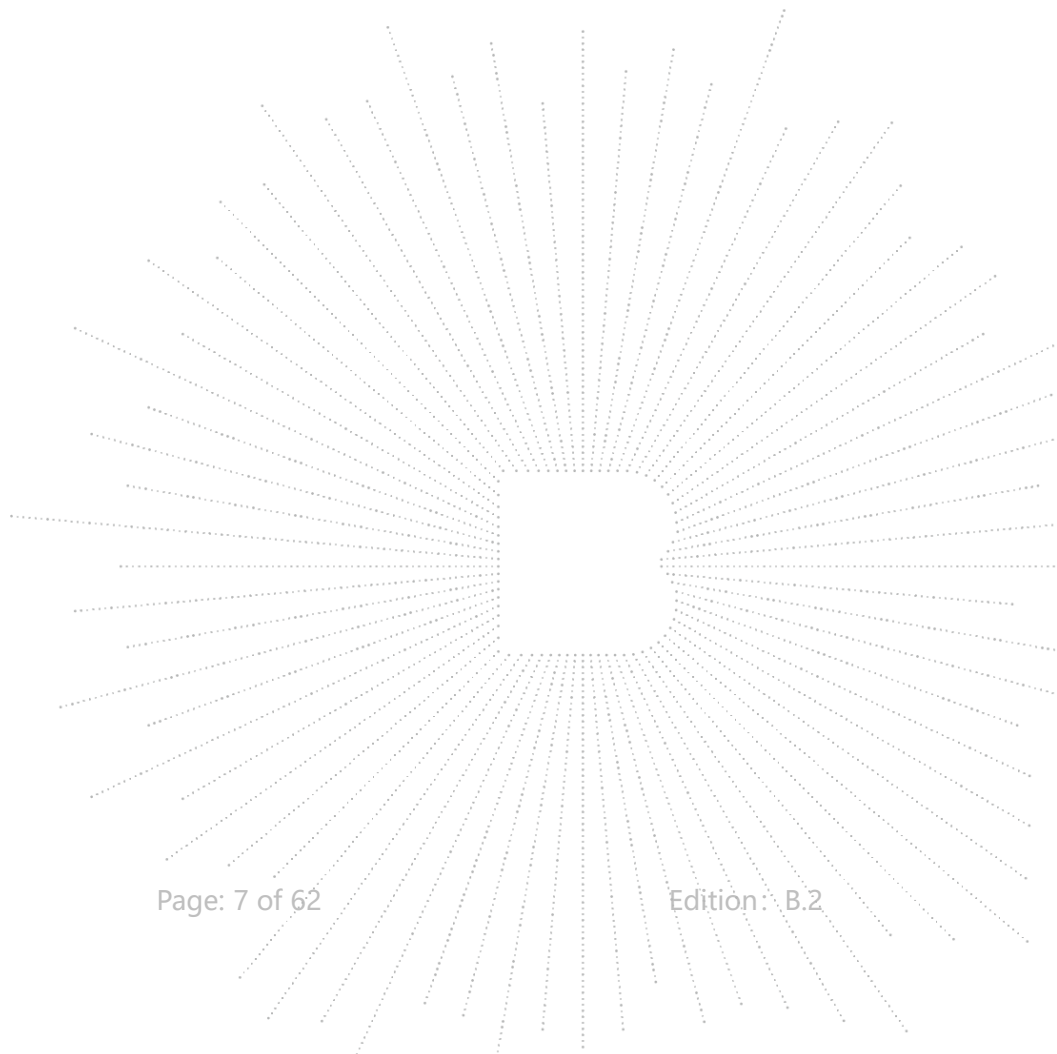
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	24.84	-3.75	18.94	PASS
Band5	1.4	20407	1	#Mid	QPSK	24.95	-3.75	19.05	PASS
Band5	1.4	20407	1	#Max	QPSK	24.93	-3.75	19.03	PASS
Band5	1.4	20407	3	#0	QPSK	24.82	-3.75	18.92	PASS
Band5	1.4	20407	3	#Mid	QPSK	24.83	-3.75	18.93	PASS
Band5	1.4	20407	3	#Max	QPSK	24.92	-3.75	19.02	PASS
Band5	1.4	20407	6	#0	QPSK	24.03	-3.75	18.13	PASS
Band5	1.4	20407	1	#0	16QAM	24.98	-3.75	19.08	PASS
Band5	1.4	20407	1	#Mid	16QAM	25.06	-3.75	19.16	PASS
Band5	1.4	20407	1	#Max	16QAM	25.01	-3.75	19.11	PASS
Band5	1.4	20407	3	#0	16QAM	24.22	-3.75	18.32	PASS
Band5	1.4	20407	3	#Mid	16QAM	24.22	-3.75	18.32	PASS
Band5	1.4	20407	3	#Max	16QAM	24.24	-3.75	18.34	PASS
Band5	1.4	20407	6	#0	16QAM	23.09	-3.75	17.19	PASS
Band5	1.4	20525	1	#0	QPSK	24.88	-3.75	18.98	PASS
Band5	1.4	20525	1	#Mid	QPSK	24.96	-3.75	19.06	PASS
Band5	1.4	20525	1	#Max	QPSK	24.95	-3.75	19.05	PASS
Band5	1.4	20525	3	#0	QPSK	24.77	-3.75	18.87	PASS
Band5	1.4	20525	3	#Mid	QPSK	24.80	-3.75	18.90	PASS
Band5	1.4	20525	3	#Max	QPSK	24.84	-3.75	18.94	PASS
Band5	1.4	20525	6	#0	QPSK	23.97	-3.75	18.07	PASS
Band5	1.4	20525	1	#0	16QAM	23.83	-3.75	17.93	PASS
Band5	1.4	20525	1	#Mid	16QAM	24.02	-3.75	18.12	PASS
Band5	1.4	20525	1	#Max	16QAM	23.85	-3.75	17.95	PASS
Band5	1.4	20525	3	#0	16QAM	23.92	-3.75	18.02	PASS
Band5	1.4	20525	3	#Mid	16QAM	23.95	-3.75	18.05	PASS
Band5	1.4	20525	3	#Max	16QAM	23.99	-3.75	18.09	PASS
Band5	1.4	20525	6	#0	16QAM	23.00	-3.75	17.10	PASS
Band5	1.4	20643	1	#0	QPSK	24.64	-3.75	18.74	PASS
Band5	1.4	20643	1	#Mid	QPSK	24.74	-3.75	18.84	PASS
Band5	1.4	20643	1	#Max	QPSK	24.77	-3.75	18.87	PASS
Band5	1.4	20643	3	#0	QPSK	24.68	-3.75	18.78	PASS
Band5	1.4	20643	3	#Mid	QPSK	24.73	-3.75	18.83	PASS
Band5	1.4	20643	3	#Max	QPSK	24.72	-3.75	18.82	PASS
Band5	1.4	20643	6	#0	QPSK	23.68	-3.75	17.78	PASS
Band5	1.4	20643	1	#0	16QAM	23.65	-3.75	17.75	PASS

Band5	1.4	20643	1	#Mid	16QAM	23.75	-3.75	17.85	PASS
Band5	1.4	20643	1	#Max	16QAM	23.77	-3.75	17.87	PASS
Band5	1.4	20643	3	#0	16QAM	23.52	-3.75	17.62	PASS
Band5	1.4	20643	3	#Mid	16QAM	23.58	-3.75	17.68	PASS
Band5	1.4	20643	3	#Max	16QAM	23.64	-3.75	17.74	PASS
Band5	1.4	20643	6	#0	16QAM	22.75	-3.75	16.85	PASS
Band5	3	20415	1	#0	QPSK	24.86	-3.75	18.96	PASS
Band5	3	20415	1	#Mid	QPSK	24.86	-3.75	18.96	PASS
Band5	3	20415	1	#Max	QPSK	24.82	-3.75	18.92	PASS
Band5	3	20415	8	#0	QPSK	24.00	-3.75	18.10	PASS
Band5	3	20415	8	#Mid	QPSK	24.00	-3.75	18.10	PASS
Band5	3	20415	8	#Max	QPSK	24.02	-3.75	18.12	PASS
Band5	3	20415	15	#0	QPSK	24.00	-3.75	18.10	PASS
Band5	3	20415	1	#0	16QAM	24.94	-3.75	19.04	PASS
Band5	3	20415	1	#Mid	16QAM	24.87	-3.75	18.97	PASS
Band5	3	20415	1	#Max	16QAM	24.91	-3.75	19.01	PASS
Band5	3	20415	8	#0	16QAM	22.88	-3.75	16.98	PASS
Band5	3	20415	8	#Mid	16QAM	22.85	-3.75	16.95	PASS
Band5	3	20415	8	#Max	16QAM	22.89	-3.75	16.99	PASS
Band5	3	20415	15	#0	16QAM	23.06	-3.75	17.16	PASS
Band5	3	20525	1	#0	QPSK	24.92	-3.75	19.02	PASS
Band5	3	20525	1	#Mid	QPSK	24.94	-3.75	19.04	PASS
Band5	3	20525	1	#Max	QPSK	24.90	-3.75	19.00	PASS
Band5	3	20525	8	#0	QPSK	23.81	-3.75	17.91	PASS
Band5	3	20525	8	#Mid	QPSK	23.86	-3.75	17.96	PASS
Band5	3	20525	8	#Max	QPSK	23.84	-3.75	17.94	PASS
Band5	3	20525	15	#0	QPSK	23.85	-3.75	17.95	PASS
Band5	3	20525	1	#0	16QAM	23.85	-3.75	17.95	PASS
Band5	3	20525	1	#Mid	16QAM	23.88	-3.75	17.98	PASS
Band5	3	20525	1	#Max	16QAM	23.85	-3.75	17.95	PASS
Band5	3	20525	8	#0	16QAM	23.16	-3.75	17.26	PASS
Band5	3	20525	8	#Mid	16QAM	22.92	-3.75	17.02	PASS
Band5	3	20525	8	#Max	16QAM	22.91	-3.75	17.01	PASS
Band5	3	20525	15	#0	16QAM	22.81	-3.75	16.91	PASS
Band5	3	20635	1	#0	QPSK	24.77	-3.75	18.87	PASS
Band5	3	20635	1	#Mid	QPSK	24.69	-3.75	18.79	PASS
Band5	3	20635	1	#Max	QPSK	24.80	-3.75	18.90	PASS
Band5	3	20635	8	#0	QPSK	23.60	-3.75	17.70	PASS
Band5	3	20635	8	#Mid	QPSK	23.63	-3.75	17.73	PASS
Band5	3	20635	8	#Max	QPSK	23.74	-3.75	17.84	PASS
Band5	3	20635	15	#0	QPSK	23.67	-3.75	17.77	PASS
Band5	3	20635	1	#0	16QAM	23.66	-3.75	17.76	PASS
Band5	3	20635	1	#Mid	16QAM	23.64	-3.75	17.74	PASS

Band5	3	20635	1	#Max	16QAM	23.81	-3.75	17.91	PASS
Band5	3	20635	8	#0	16QAM	22.61	-3.75	16.71	PASS
Band5	3	20635	8	#Mid	16QAM	22.67	-3.75	16.77	PASS
Band5	3	20635	8	#Max	16QAM	22.78	-3.75	16.88	PASS
Band5	3	20635	15	#0	16QAM	22.66	-3.75	16.76	PASS
Band5	5	20425	1	#0	QPSK	24.85	-3.75	18.95	PASS
Band5	5	20425	1	#Mid	QPSK	24.87	-3.75	18.97	PASS
Band5	5	20425	1	#Max	QPSK	24.90	-3.75	19.00	PASS
Band5	5	20425	12	#0	QPSK	23.91	-3.75	18.01	PASS
Band5	5	20425	12	#Mid	QPSK	23.93	-3.75	18.03	PASS
Band5	5	20425	12	#Max	QPSK	23.99	-3.75	18.09	PASS
Band5	5	20425	25	#0	QPSK	24.04	-3.75	18.14	PASS
Band5	5	20425	1	#0	16QAM	24.01	-3.75	18.11	PASS
Band5	5	20425	1	#Mid	16QAM	24.08	-3.75	18.18	PASS
Band5	5	20425	1	#Max	16QAM	24.11	-3.75	18.21	PASS
Band5	5	20425	12	#0	16QAM	22.95	-3.75	17.05	PASS
Band5	5	20425	12	#Mid	16QAM	22.89	-3.75	16.99	PASS
Band5	5	20425	12	#Max	16QAM	22.92	-3.75	17.02	PASS
Band5	5	20425	25	#0	16QAM	23.16	-3.75	17.26	PASS
Band5	5	20525	1	#0	QPSK	24.92	-3.75	19.02	PASS
Band5	5	20525	1	#Mid	QPSK	24.84	-3.75	18.94	PASS
Band5	5	20525	1	#Max	QPSK	24.77	-3.75	18.87	PASS
Band5	5	20525	12	#0	QPSK	23.92	-3.75	18.02	PASS
Band5	5	20525	12	#Mid	QPSK	23.87	-3.75	17.97	PASS
Band5	5	20525	12	#Max	QPSK	23.90	-3.75	18.00	PASS
Band5	5	20525	25	#0	QPSK	23.85	-3.75	17.95	PASS
Band5	5	20525	1	#0	16QAM	23.84	-3.75	17.94	PASS
Band5	5	20525	1	#Mid	16QAM	23.87	-3.75	17.97	PASS
Band5	5	20525	1	#Max	16QAM	23.82	-3.75	17.92	PASS
Band5	5	20525	12	#0	16QAM	23.06	-3.75	17.16	PASS
Band5	5	20525	12	#Mid	16QAM	22.81	-3.75	16.91	PASS
Band5	5	20525	12	#Max	16QAM	22.75	-3.75	16.85	PASS
Band5	5	20525	25	#0	16QAM	22.88	-3.75	16.98	PASS
Band5	5	20625	1	#0	QPSK	24.53	-3.75	18.63	PASS
Band5	5	20625	1	#Mid	QPSK	24.40	-3.75	18.50	PASS
Band5	5	20625	1	#Max	QPSK	24.47	-3.75	18.57	PASS
Band5	5	20625	12	#0	QPSK	23.64	-3.75	17.74	PASS
Band5	5	20625	12	#Mid	QPSK	23.59	-3.75	17.69	PASS
Band5	5	20625	12	#Max	QPSK	23.57	-3.75	17.67	PASS
Band5	5	20625	25	#0	QPSK	23.68	-3.75	17.78	PASS
Band5	5	20625	1	#0	16QAM	24.20	-3.75	18.30	PASS
Band5	5	20625	1	#Mid	16QAM	24.13	-3.75	18.23	PASS
Band5	5	20625	1	#Max	16QAM	24.21	-3.75	18.31	PASS

Band5	5	20625	12	#0	16QAM	22.99	-3.75	17.09	PASS
Band5	5	20625	12	#Mid	16QAM	22.48	-3.75	16.58	PASS
Band5	5	20625	12	#Max	16QAM	22.50	-3.75	16.60	PASS
Band5	5	20625	25	#0	16QAM	22.70	-3.75	16.80	PASS
Band5	10	20450	1	#0	QPSK	24.65	-3.75	18.75	PASS
Band5	10	20450	1	#Mid	QPSK	24.87	-3.75	18.97	PASS
Band5	10	20450	1	#Max	QPSK	24.75	-3.75	18.85	PASS
Band5	10	20450	25	#0	QPSK	23.90	-3.75	18.00	PASS
Band5	10	20450	25	#Mid	QPSK	24.11	-3.75	18.21	PASS
Band5	10	20450	25	#Max	QPSK	23.69	-3.75	17.79	PASS
Band5	10	20450	50	#0	QPSK	23.96	-3.75	18.06	PASS
Band5	10	20450	1	#0	16QAM	24.83	-3.75	18.93	PASS
Band5	10	20450	1	#Mid	16QAM	24.84	-3.75	18.94	PASS
Band5	10	20450	1	#Max	16QAM	24.82	-3.75	18.92	PASS
Band5	10	20450	25	#0	16QAM	23.01	-3.75	17.11	PASS
Band5	10	20450	25	#Mid	16QAM	23.03	-3.75	17.13	PASS
Band5	10	20450	25	#Max	16QAM	23.22	-3.75	17.32	PASS
Band5	10	20450	50	#0	16QAM	23.03	-3.75	17.13	PASS
Band5	10	20525	1	#0	QPSK	24.65	-3.75	18.75	PASS
Band5	10	20525	1	#Mid	QPSK	24.76	-3.75	18.86	PASS
Band5	10	20525	1	#Max	QPSK	24.72	-3.75	18.82	PASS
Band5	10	20525	25	#0	QPSK	23.84	-3.75	17.94	PASS
Band5	10	20525	25	#Mid	QPSK	23.91	-3.75	18.01	PASS
Band5	10	20525	25	#Max	QPSK	23.68	-3.75	17.78	PASS
Band5	10	20525	50	#0	QPSK	23.82	-3.75	17.92	PASS
Band5	10	20525	1	#0	16QAM	24.37	-3.75	18.47	PASS
Band5	10	20525	1	#Mid	16QAM	24.50	-3.75	18.60	PASS
Band5	10	20525	1	#Max	16QAM	24.72	-3.75	18.82	PASS
Band5	10	20525	25	#0	16QAM	23.25	-3.75	17.35	PASS
Band5	10	20525	25	#Mid	16QAM	22.90	-3.75	17.00	PASS
Band5	10	20525	25	#Max	16QAM	23.13	-3.75	17.23	PASS
Band5	10	20525	50	#0	16QAM	23.03	-3.75	17.13	PASS
Band5	10	20600	1	#0	QPSK	24.71	-3.75	18.81	PASS
Band5	10	20600	1	#Mid	QPSK	24.67	-3.75	18.77	PASS
Band5	10	20600	1	#Max	QPSK	24.59	-3.75	18.69	PASS
Band5	10	20600	25	#0	QPSK	24.06	-3.75	18.16	PASS
Band5	10	20600	25	#Mid	QPSK	23.79	-3.75	17.89	PASS
Band5	10	20600	25	#Max	QPSK	23.57	-3.75	17.67	PASS
Band5	10	20600	50	#0	QPSK	23.81	-3.75	17.91	PASS
Band5	10	20600	1	#0	16QAM	24.13	-3.75	18.23	PASS
Band5	10	20600	1	#Mid	16QAM	23.96	-3.75	18.06	PASS
Band5	10	20600	1	#Max	16QAM	23.99	-3.75	18.09	PASS
Band5	10	20600	25	#0	16QAM	23.09	-3.75	17.19	PASS

Band5	10	20600	25	#Mid	16QAM	22.85	-3.75	16.95	PASS
Band5	10	20600	25	#Max	16QAM	22.66	-3.75	16.76	PASS
Band5	10	20600	50	#0	16QAM	22.73	-3.75	16.83	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	0.00	0.000	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-11.53	-0.014	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-32.46	-0.039	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-7.71	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-26.32	-0.032	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-42.20	-0.051	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-2.46	-0.003	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	0.47	0.001	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	1.50	0.002	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	3.75	0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	6.88	0.008	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	13.73	0.016	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	4.92	0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-2.52	-0.003	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-15.15	-0.018	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-28.55	-0.034	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-38.85	-0.046	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	3.76	0.004	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-34.86	-0.042	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-32.56	-0.039	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-39.35	-0.048	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-29.38	-0.036	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-15.99	-0.019	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-14.41	-0.017	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-22.54	-0.027	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-28.51	-0.034	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-34.73	-0.042	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-38.80	-0.046	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-39.10	-0.047	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-0.53	-0.001	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-5.34	-0.006	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-16.88	-0.020	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-27.89	-0.033	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-36.09	-0.043	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-40.13	-0.047	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	NT	-16.15	-0.020	PASS

Band5	5	20425	25	#0	QPSK	HV	NT	-47.55	-0.058	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-32.14	-0.039	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-7.75	-0.009	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-24.56	-0.030	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-7.72	-0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-6.17	-0.007	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-7.14	-0.009	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-7.30	-0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-4.49	-0.005	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	0.76	0.001	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	10.53	0.012	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	11.87	0.014	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	8.08	0.010	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	3.62	0.004	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	0.63	0.001	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	2.79	0.003	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	0.90	0.001	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-24.88	-0.030	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	-23.65	-0.029	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	-40.13	-0.048	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	-18.84	-0.023	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-16.95	-0.020	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-33.72	-0.040	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-2.03	-0.002	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	-17.87	-0.021	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	-26.14	-0.031	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	-31.99	-0.038	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-8.78	-0.010	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-23.22	-0.028	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-42.86	-0.051	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	-11.73	-0.014	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	-21.31	-0.025	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	-26.71	-0.032	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	-10.97	-0.013	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-26.95	-0.033	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-42.36	-0.051	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-5.34	-0.006	PASS
Band5	1.4	20407	6	#0	QPSK	NV	10	-15.75	-0.019	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-23.40	-0.028	PASS

Band5	1.4	20407	6	#0	QPSK	NV	30	-29.17	-0.035	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-35.03	-0.042	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-39.24	-0.048	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-42.80	-0.052	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-43.56	-0.053	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-43.49	-0.053	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-44.45	-0.054	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-44.98	-0.055	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-45.28	-0.055	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-45.95	-0.056	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-46.98	-0.057	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-47.44	-0.058	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	8.38	0.010	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	9.81	0.012	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	8.84	0.011	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	7.11	0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	6.87	0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	3.39	0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	2.05	0.002	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-2.30	-0.003	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-2.69	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	-2.76	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-4.46	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-3.71	-0.004	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-5.21	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-7.18	-0.009	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-4.25	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-1.04	-0.001	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	1.49	0.002	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	3.76	0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	0.84	0.001	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-3.82	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-9.97	-0.012	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-15.09	-0.018	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-16.55	-0.020	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	-18.34	-0.022	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-20.71	-0.024	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-20.03	-0.024	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-20.13	-0.024	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	-21.74	-0.026	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-20	-20.28	-0.024	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-18.14	-0.021	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	-17.68	-0.021	PASS

Band5	1.4	20643	6	#0	16QAM	NV	10	-17.64	-0.021	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-16.38	-0.019	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-17.02	-0.020	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	-16.88	-0.020	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	-15.62	-0.018	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-28.40	-0.034	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-46.25	-0.056	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-10.17	-0.012	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-16.04	-0.019	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-21.86	-0.026	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-26.56	-0.032	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-28.91	-0.035	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-31.74	-0.038	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-31.33	-0.038	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	-30.34	-0.037	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	-31.01	-0.038	PASS
Band5	3	20415	15	#0	16QAM	NV	0	-28.72	-0.035	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-29.61	-0.036	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-30.33	-0.037	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-27.81	-0.034	PASS
Band5	3	20415	15	#0	16QAM	NV	40	-28.90	-0.035	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-28.95	-0.035	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	4.26	0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	6.90	0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	8.37	0.010	PASS
Band5	3	20525	15	#0	QPSK	NV	0	7.35	0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	10	5.68	0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	20	5.95	0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	30	5.16	0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	40	4.28	0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	50	2.65	0.003	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	5.54	0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	4.95	0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	8.24	0.010	PASS
Band5	3	20525	15	#0	16QAM	NV	0	9.21	0.011	PASS
Band5	3	20525	15	#0	16QAM	NV	10	9.70	0.012	PASS
Band5	3	20525	15	#0	16QAM	NV	20	9.43	0.011	PASS
Band5	3	20525	15	#0	16QAM	NV	30	8.77	0.010	PASS
Band5	3	20525	15	#0	16QAM	NV	40	10.27	0.012	PASS
Band5	3	20525	15	#0	16QAM	NV	50	10.64	0.013	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-6.18	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-12.16	-0.014	PASS

Band5	3	20635	15	#0	QPSK	NV	-10	-15.64	-0.018	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-16.64	-0.020	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-20.18	-0.024	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-21.70	-0.026	PASS
Band5	3	20635	15	#0	QPSK	NV	30	-22.06	-0.026	PASS
Band5	3	20635	15	#0	QPSK	NV	40	-21.97	-0.026	PASS
Band5	3	20635	15	#0	QPSK	NV	50	-23.33	-0.028	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	-21.62	-0.026	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	-21.49	-0.025	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	-18.84	-0.022	PASS
Band5	3	20635	15	#0	16QAM	NV	0	-18.11	-0.021	PASS
Band5	3	20635	15	#0	16QAM	NV	10	-17.71	-0.021	PASS
Band5	3	20635	15	#0	16QAM	NV	20	-17.81	-0.021	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-17.41	-0.021	PASS
Band5	3	20635	15	#0	16QAM	NV	40	-18.93	-0.022	PASS
Band5	3	20635	15	#0	16QAM	NV	50	-17.57	-0.021	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-22.02	-0.027	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-41.06	-0.050	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-9.20	-0.011	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-16.48	-0.020	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-19.67	-0.024	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-22.16	-0.027	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-23.82	-0.029	PASS
Band5	5	20425	25	#0	QPSK	NV	50	-25.22	-0.031	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	-26.41	-0.032	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	-25.99	-0.031	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	-23.56	-0.029	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-22.82	-0.028	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-22.85	-0.028	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-23.55	-0.028	PASS
Band5	5	20425	25	#0	16QAM	NV	30	-24.35	-0.029	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-24.35	-0.029	PASS
Band5	5	20425	25	#0	16QAM	NV	50	-24.10	-0.029	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	1.70	0.002	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	3.03	0.004	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	2.68	0.003	PASS
Band5	5	20525	25	#0	QPSK	NV	0	1.33	0.002	PASS
Band5	5	20525	25	#0	QPSK	NV	10	1.06	0.001	PASS
Band5	5	20525	25	#0	QPSK	NV	20	1.06	0.001	PASS
Band5	5	20525	25	#0	QPSK	NV	30	0.44	0.001	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-0.06	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-0.53	-0.001	PASS

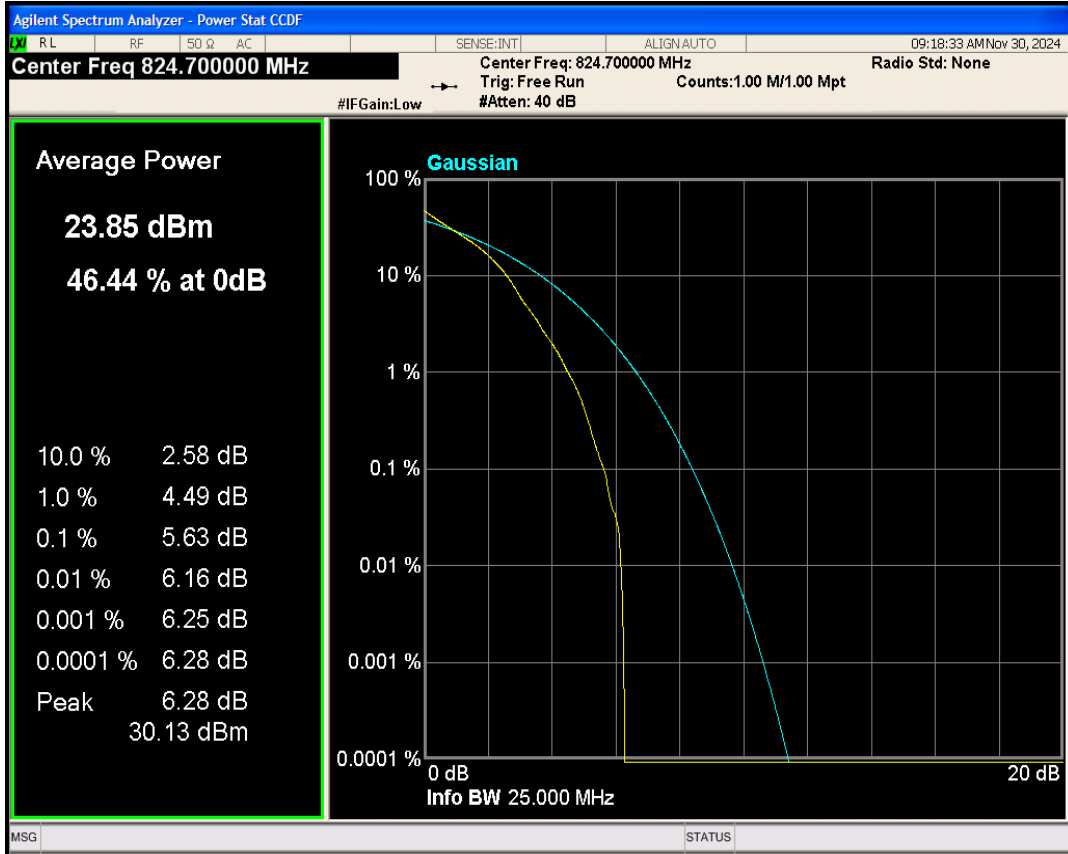
Band5	5	20525	25	#0	16QAM	NV	-30	1.30	0.002	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	2.10	0.003	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	3.85	0.005	PASS
Band5	5	20525	25	#0	16QAM	NV	0	5.42	0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	10	5.51	0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	20	5.94	0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	30	7.75	0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	40	8.73	0.010	PASS
Band5	5	20525	25	#0	16QAM	NV	50	8.54	0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	0.76	0.001	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-1.62	-0.002	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-4.36	-0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-7.11	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-8.35	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	20	-9.54	-0.011	PASS
Band5	5	20625	25	#0	QPSK	NV	30	-9.86	-0.012	PASS
Band5	5	20625	25	#0	QPSK	NV	40	-10.34	-0.012	PASS
Band5	5	20625	25	#0	QPSK	NV	50	-10.49	-0.012	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-10.04	-0.012	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	-8.67	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	-6.77	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	0	-7.57	-0.009	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-5.95	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	20	-6.37	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	30	-4.69	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	40	-4.88	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	50	-5.51	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-14.35	-0.017	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-29.87	-0.036	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-38.42	-0.046	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-42.10	-0.051	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-46.31	-0.056	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-36.25	-0.044	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-4.13	-0.005	PASS
Band5	10	20450	50	#0	QPSK	NV	50	-6.19	-0.007	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	-7.02	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	-20	-3.89	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	-3.75	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	0	-4.19	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	10	-3.98	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	20	-3.32	-0.004	PASS
Band5	10	20450	50	#0	16QAM	NV	30	-4.22	-0.005	PASS

Band5	10	20450	50	#0	16QAM	NV	40	-4.11	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	50	-3.85	-0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-2.47	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-5.74	-0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-6.78	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	0	-8.77	-0.010	PASS
Band5	10	20525	50	#0	QPSK	NV	10	-10.37	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-9.90	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-10.27	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-10.27	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-10.74	-0.013	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	-10.39	-0.012	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	-9.33	-0.011	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	-6.81	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	0	-6.58	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	10	-4.86	-0.006	PASS
Band5	10	20525	50	#0	16QAM	NV	20	-4.35	-0.005	PASS
Band5	10	20525	50	#0	16QAM	NV	30	-3.81	-0.005	PASS
Band5	10	20525	50	#0	16QAM	NV	40	-3.95	-0.005	PASS
Band5	10	20525	50	#0	16QAM	NV	50	-4.25	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-1.63	-0.002	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-7.50	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-11.03	-0.013	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-13.93	-0.017	PASS
Band5	10	20600	50	#0	QPSK	NV	10	-15.71	-0.019	PASS
Band5	10	20600	50	#0	QPSK	NV	20	-16.21	-0.019	PASS
Band5	10	20600	50	#0	QPSK	NV	30	-17.31	-0.021	PASS
Band5	10	20600	50	#0	QPSK	NV	40	-18.22	-0.022	PASS
Band5	10	20600	50	#0	QPSK	NV	50	-17.97	-0.021	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	-19.90	-0.024	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	-17.58	-0.021	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	-14.58	-0.017	PASS
Band5	10	20600	50	#0	16QAM	NV	0	-14.52	-0.017	PASS
Band5	10	20600	50	#0	16QAM	NV	10	-14.86	-0.018	PASS
Band5	10	20600	50	#0	16QAM	NV	20	-14.02	-0.017	PASS
Band5	10	20600	50	#0	16QAM	NV	30	-14.29	-0.017	PASS
Band5	10	20600	50	#0	16QAM	NV	40	-14.26	-0.017	PASS
Band5	10	20600	50	#0	16QAM	NV	50	-15.16	-0.018	PASS

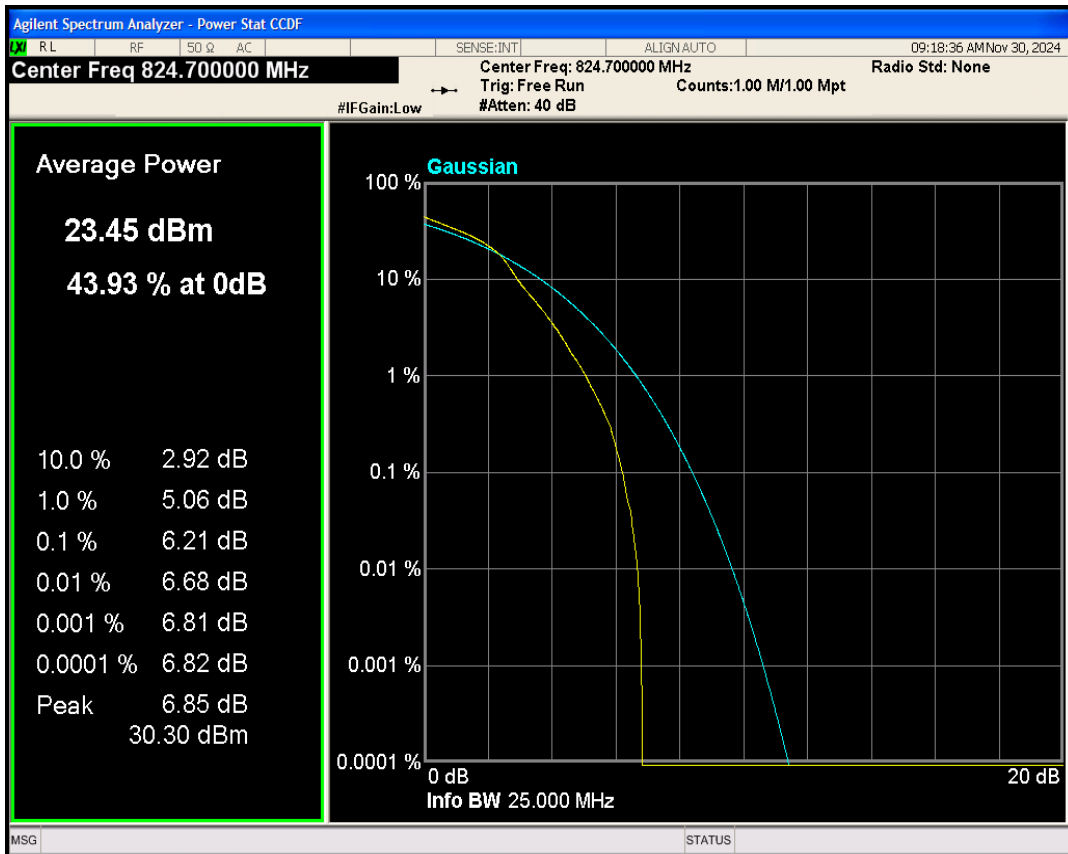
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	5.63	13	PASS
Band5	1.4	20407	1	#0	16QAM	6.21	13	PASS
Band5	1.4	20525	1	#0	QPSK	4.91	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.60	13	PASS
Band5	1.4	20643	1	#0	QPSK	4.30	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.35	13	PASS
Band5	3	20415	1	#0	QPSK	5.42	13	PASS
Band5	3	20415	1	#0	16QAM	6.45	13	PASS
Band5	3	20525	1	#0	QPSK	11.82	13	PASS
Band5	3	20525	1	#0	16QAM	5.41	13	PASS
Band5	3	20635	1	#0	QPSK	4.13	13	PASS
Band5	3	20635	1	#0	16QAM	5.08	13	PASS
Band5	5	20425	1	#0	QPSK	4.23	13	PASS
Band5	5	20425	1	#0	16QAM	6.25	13	PASS
Band5	5	20525	1	#0	QPSK	3.91	13	PASS
Band5	5	20525	1	#0	16QAM	4.75	13	PASS
Band5	5	20625	1	#0	QPSK	7.11	13	PASS
Band5	5	20625	1	#0	16QAM	4.79	13	PASS
Band5	10	20450	1	#0	QPSK	5.48	13	PASS
Band5	10	20450	1	#0	16QAM	6.31	13	PASS
Band5	10	20525	1	#0	QPSK	6.39	13	PASS
Band5	10	20525	1	#0	16QAM	4.45	13	PASS
Band5	10	20600	1	#0	QPSK	4.99	13	PASS
Band5	10	20600	1	#0	16QAM	5.75	13	PASS

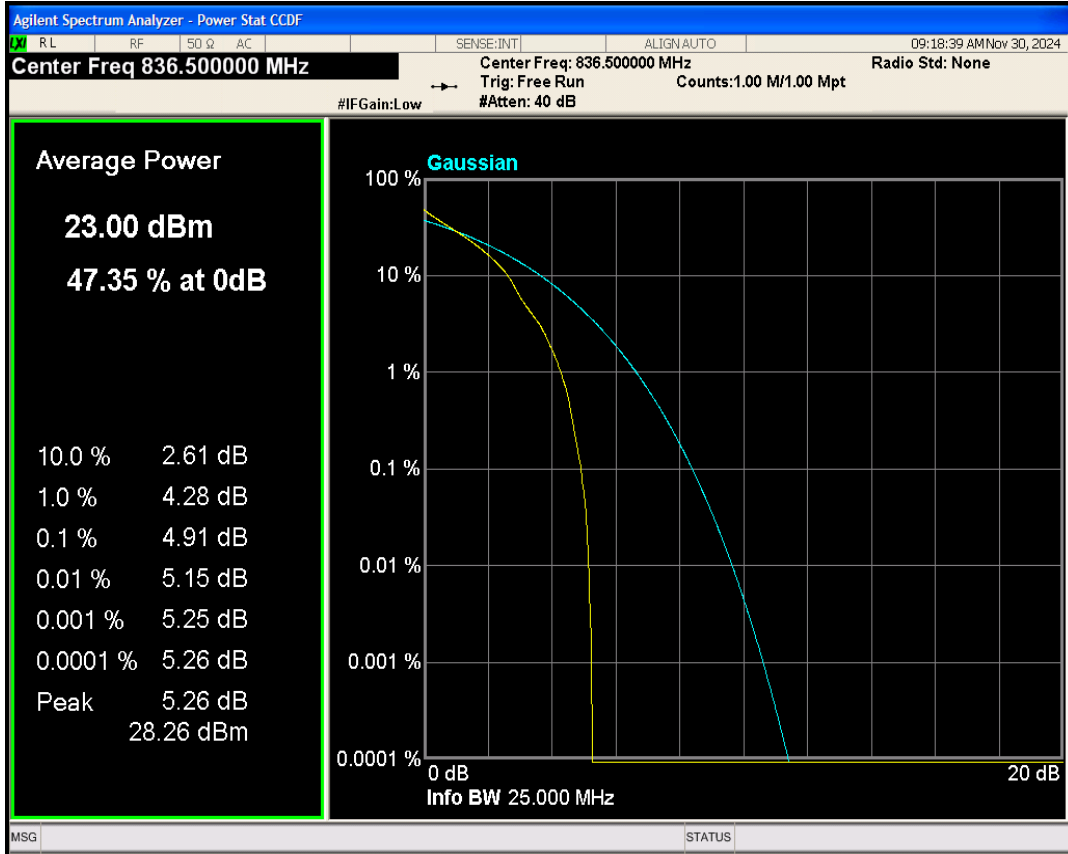
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



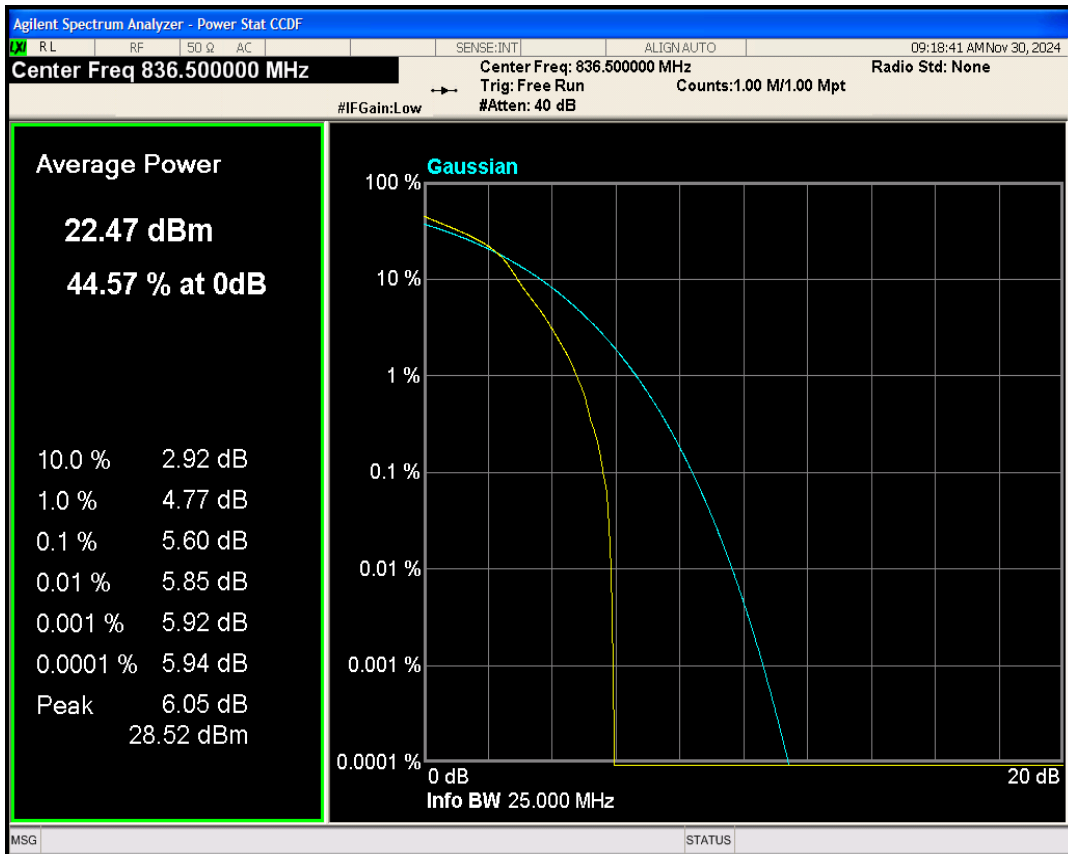
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



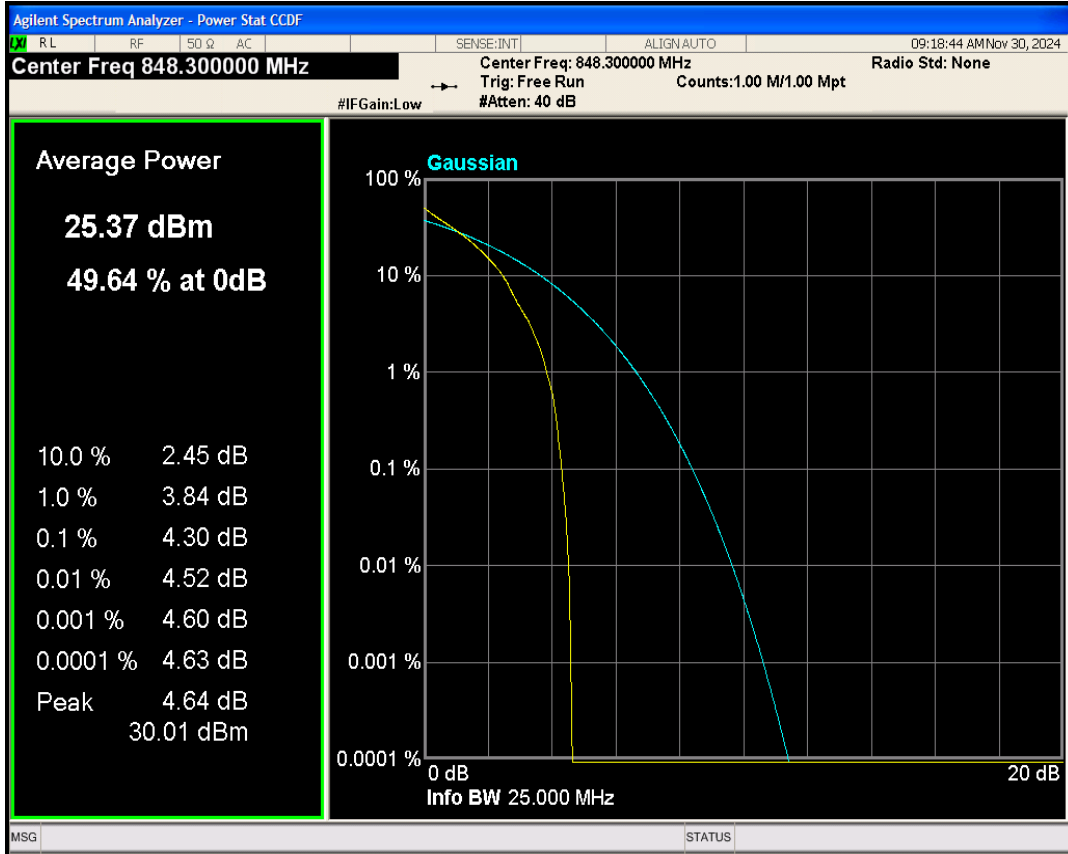
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



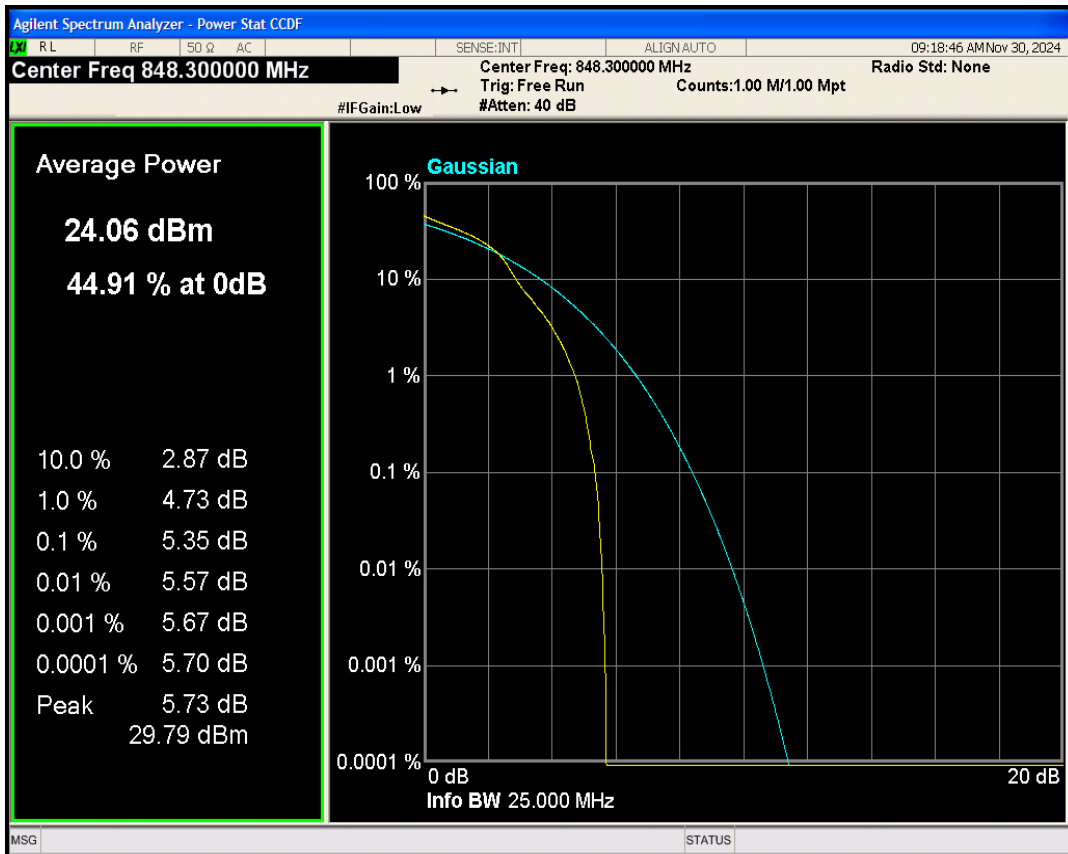
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



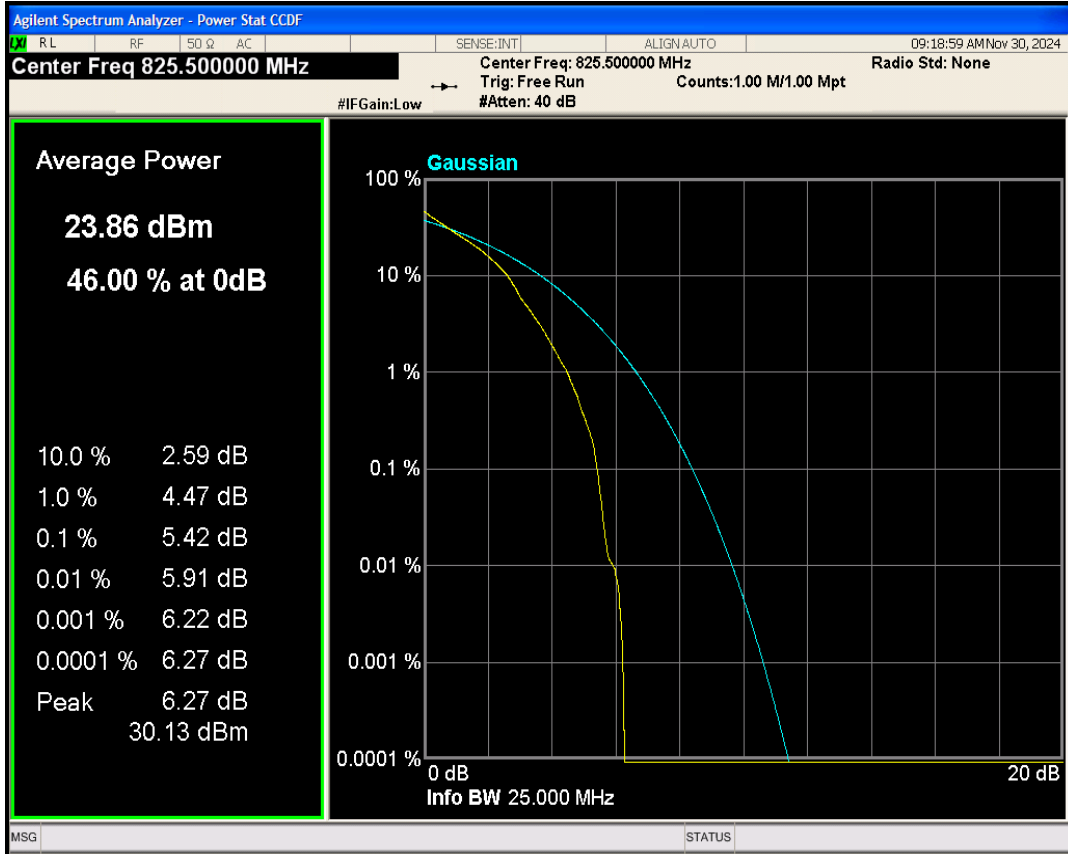
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



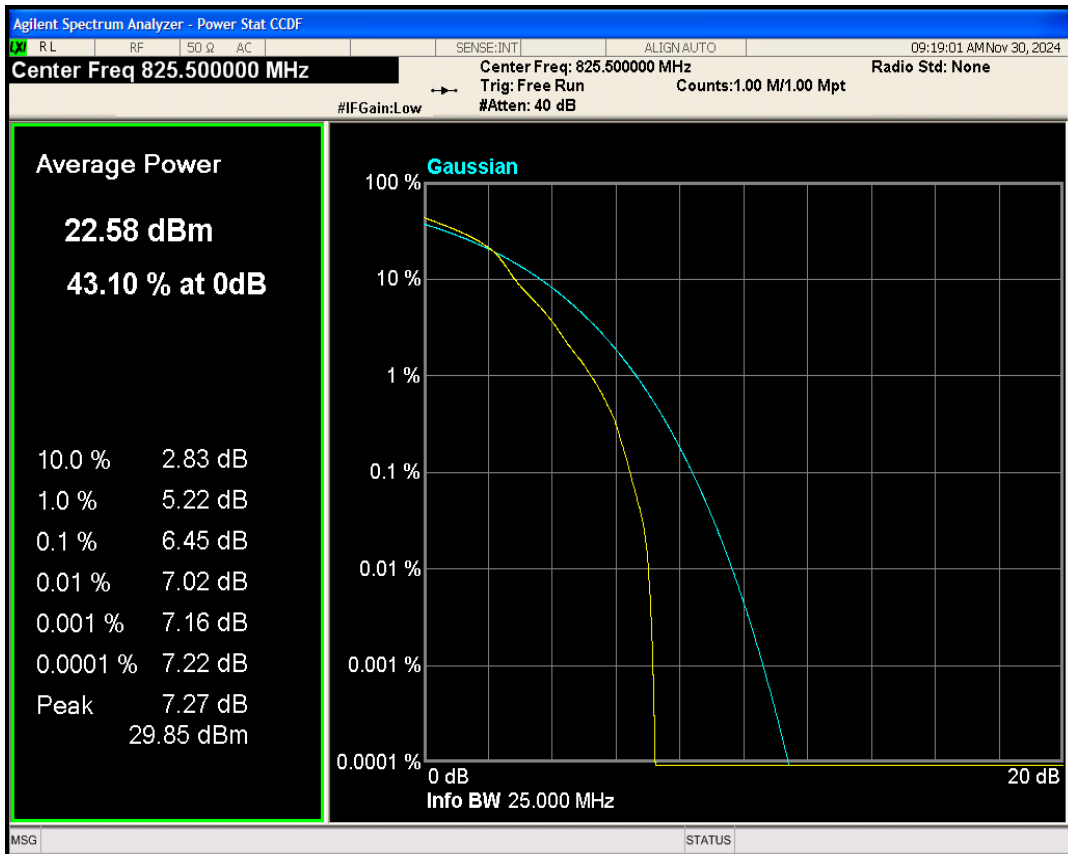
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



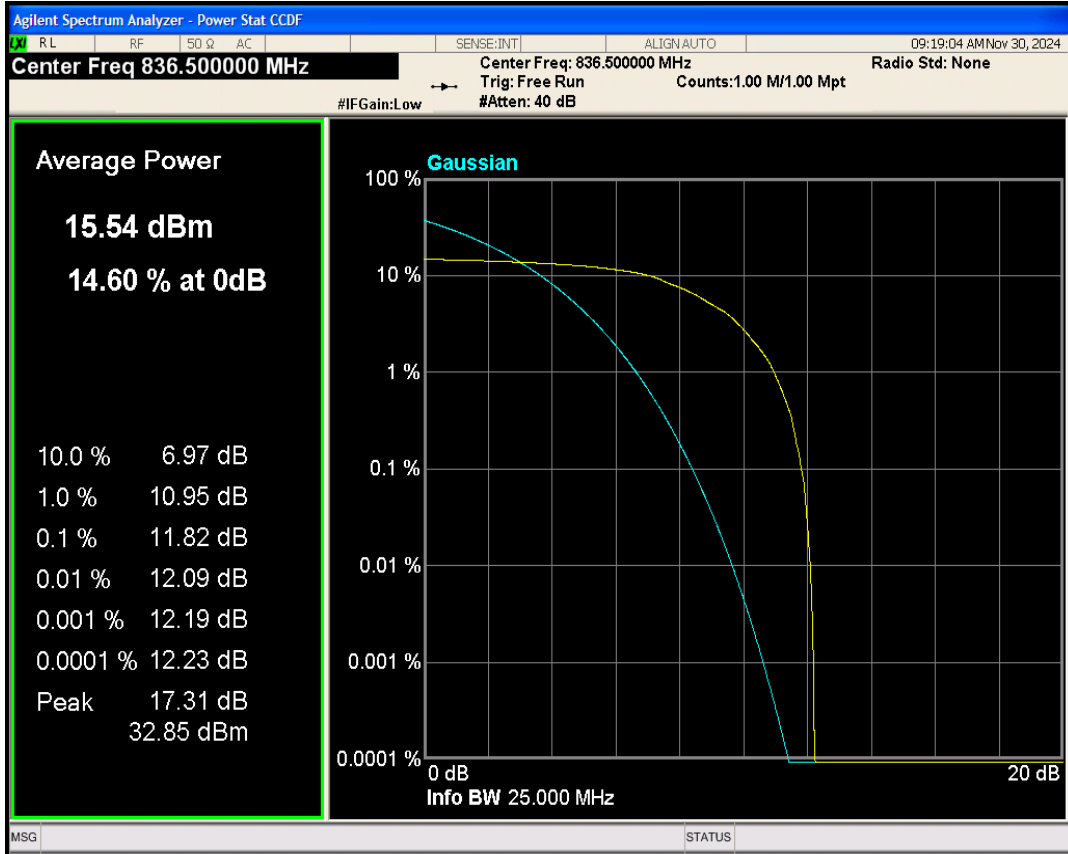
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



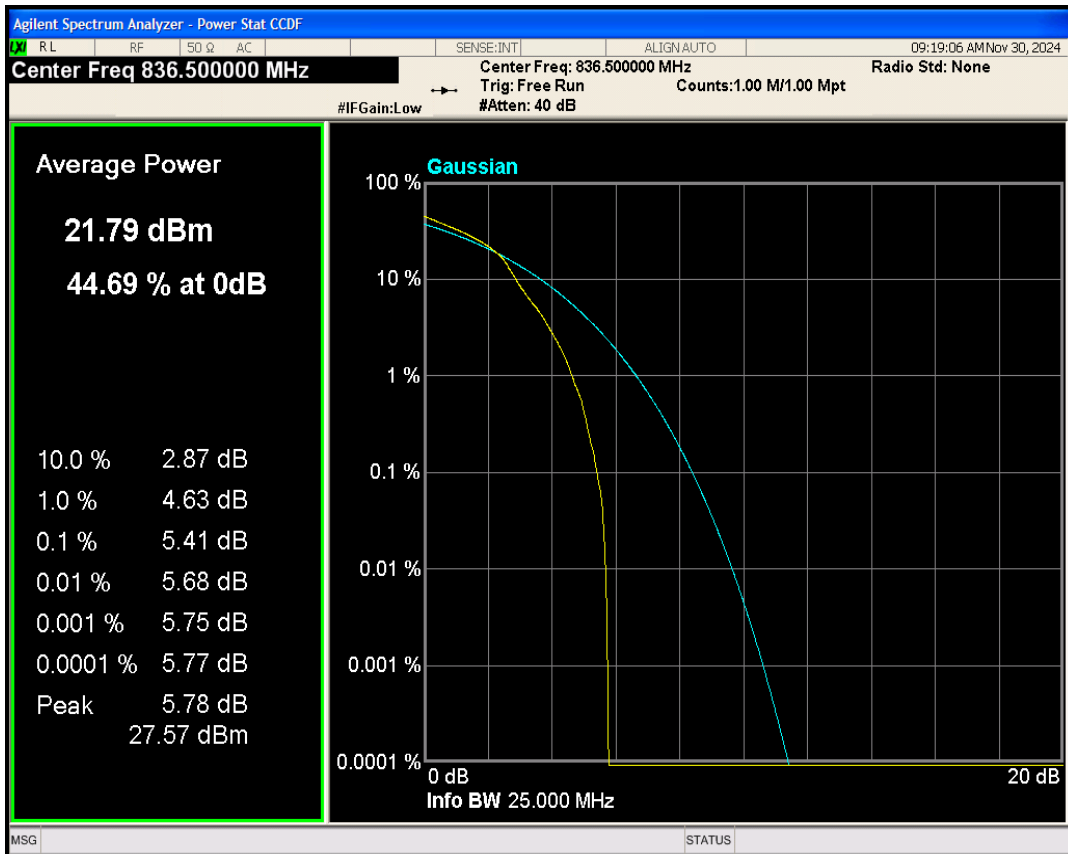
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



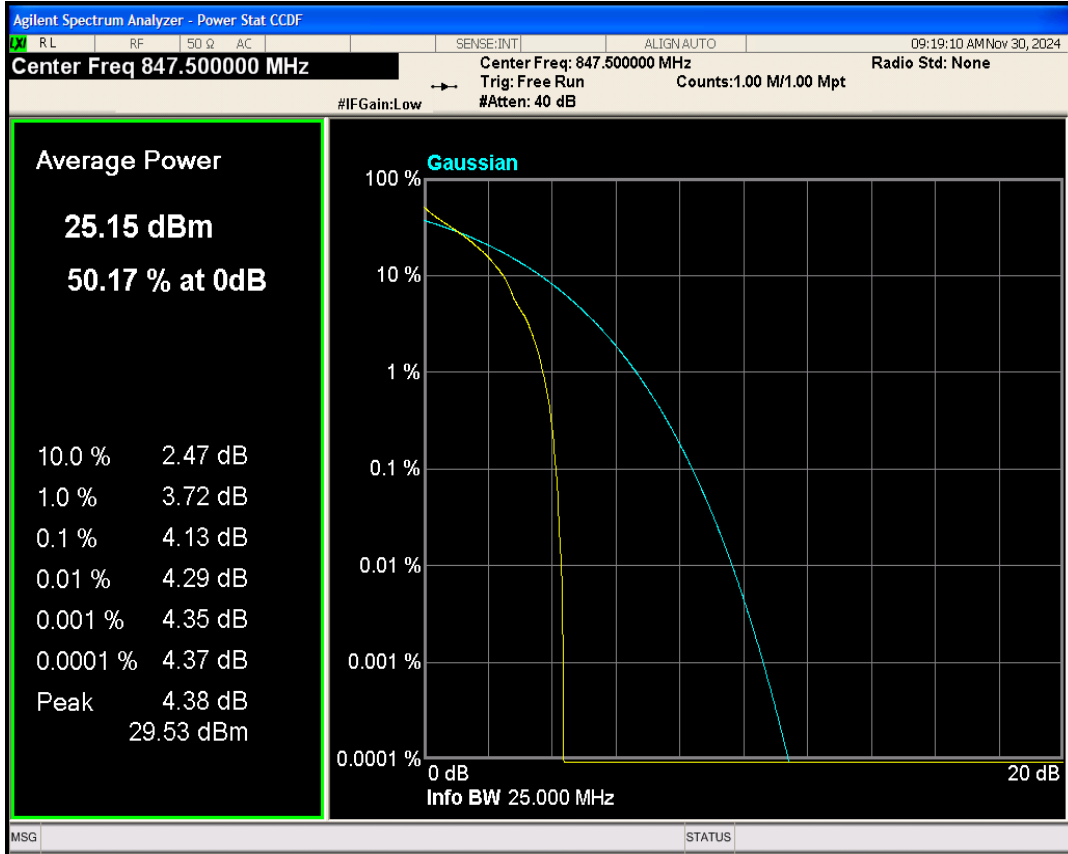
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



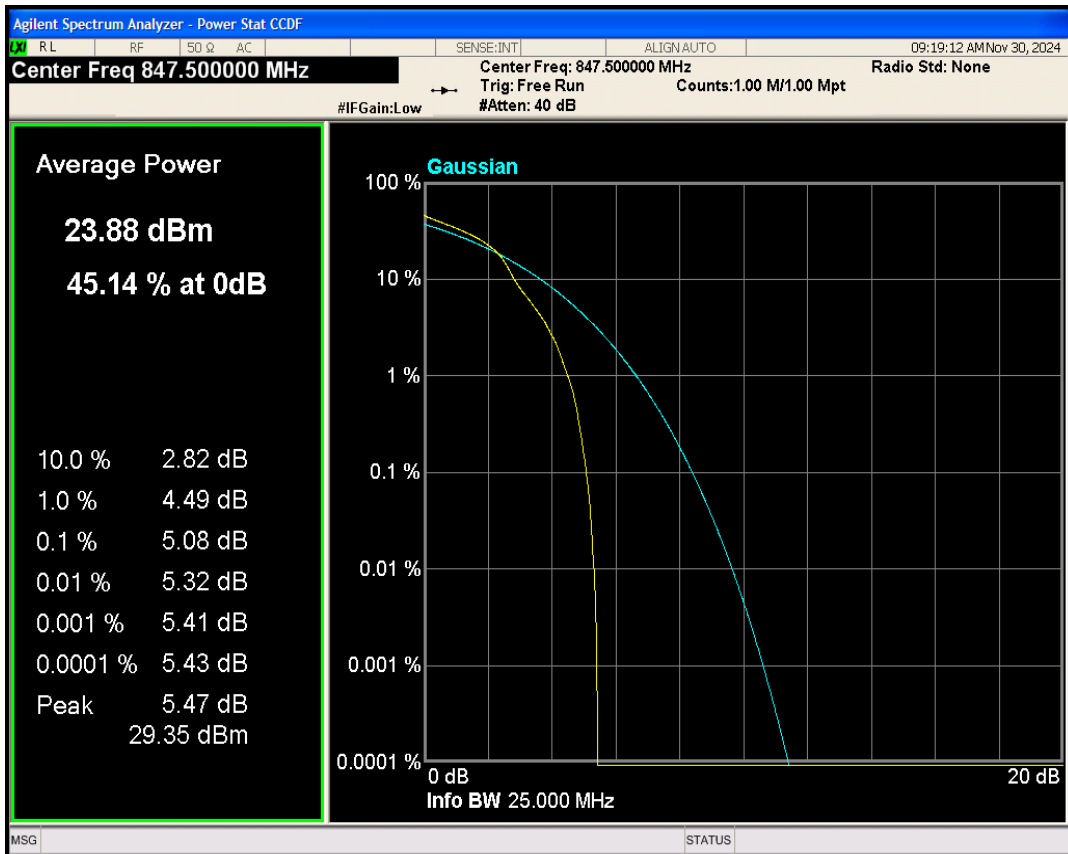
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



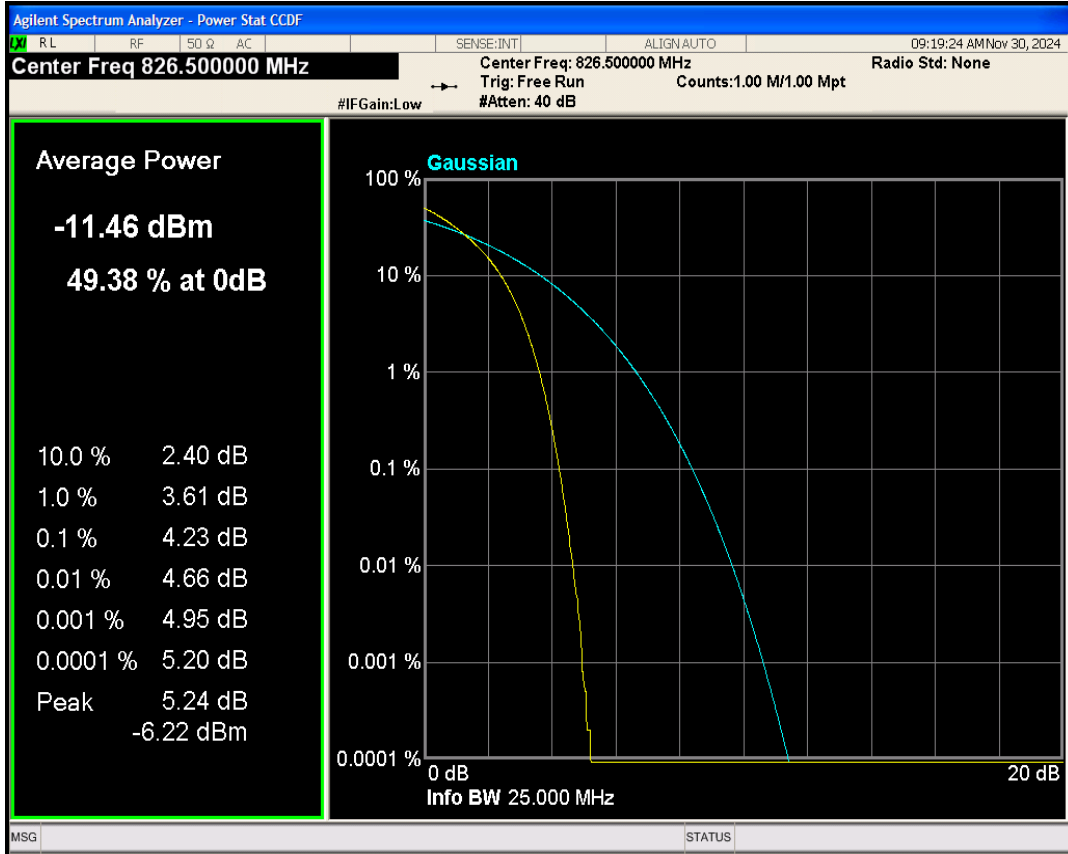
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



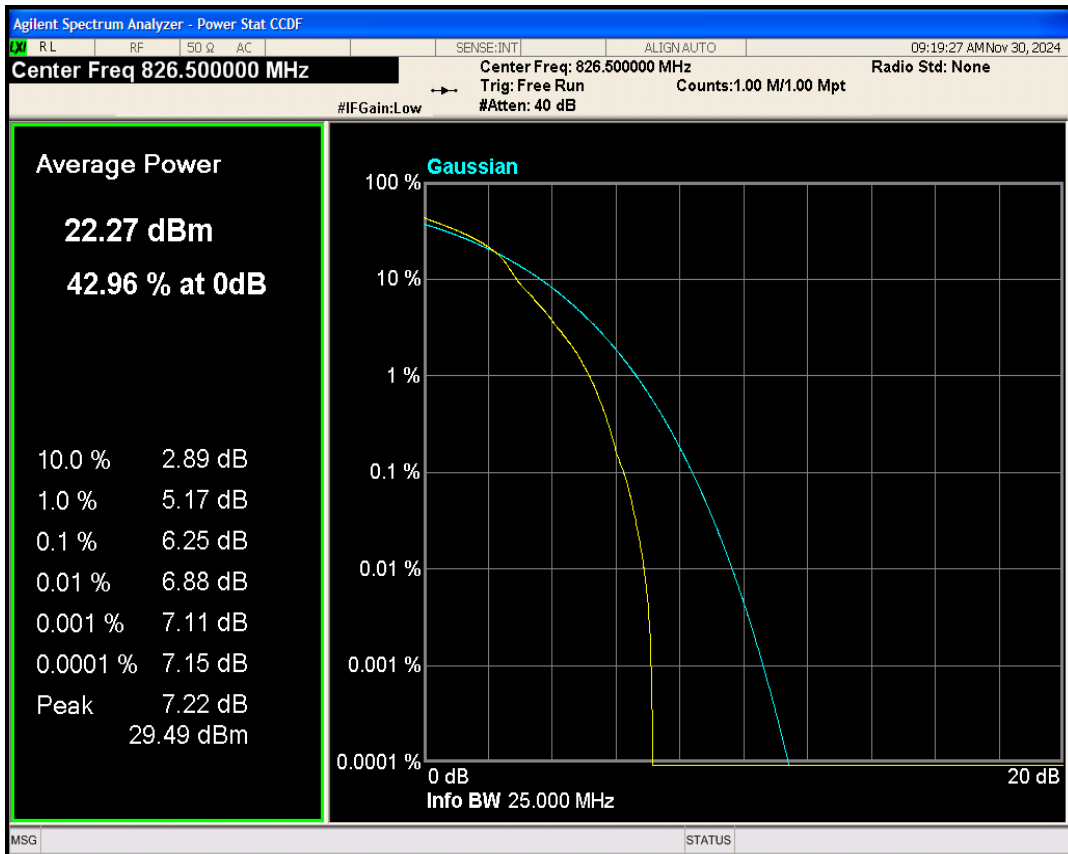
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



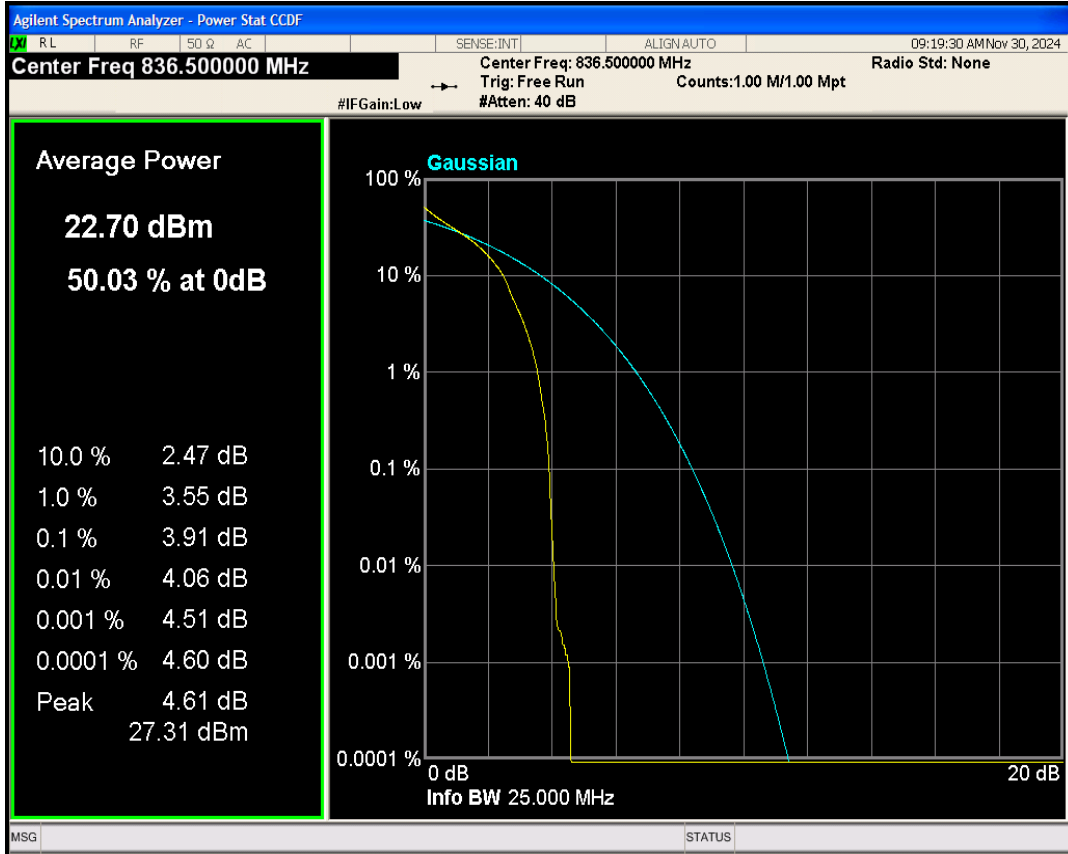
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



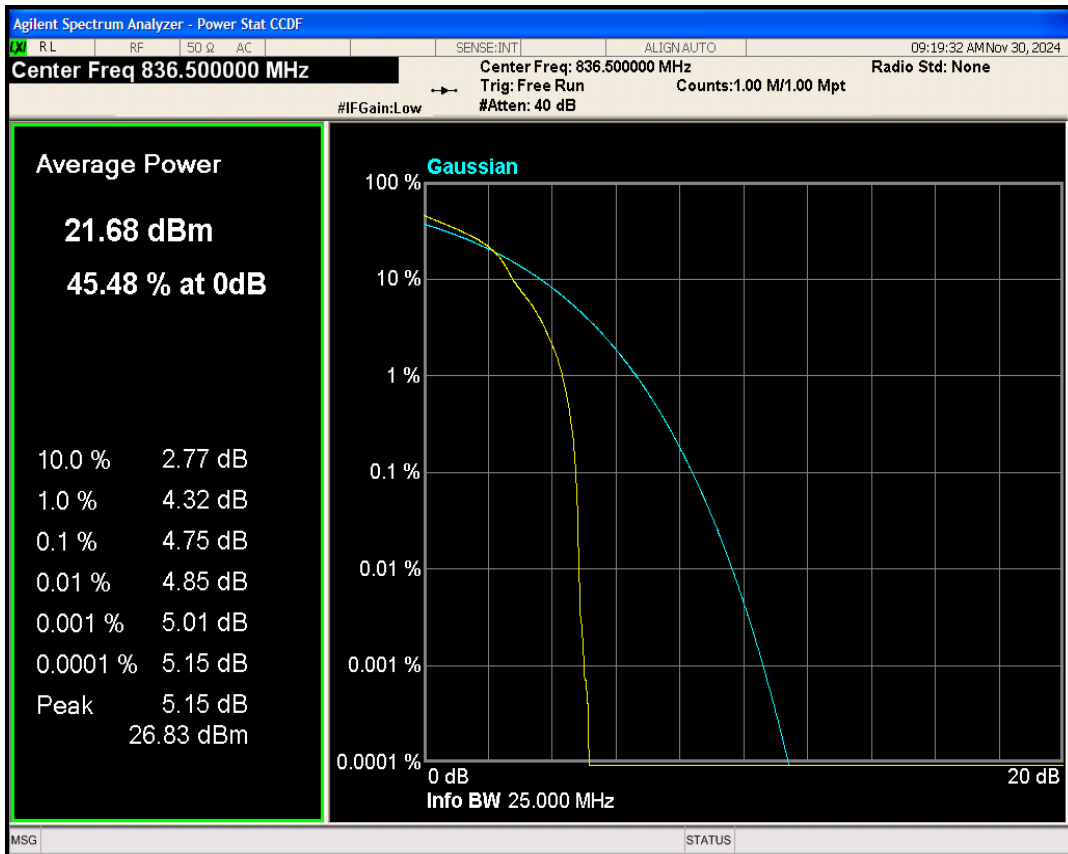
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



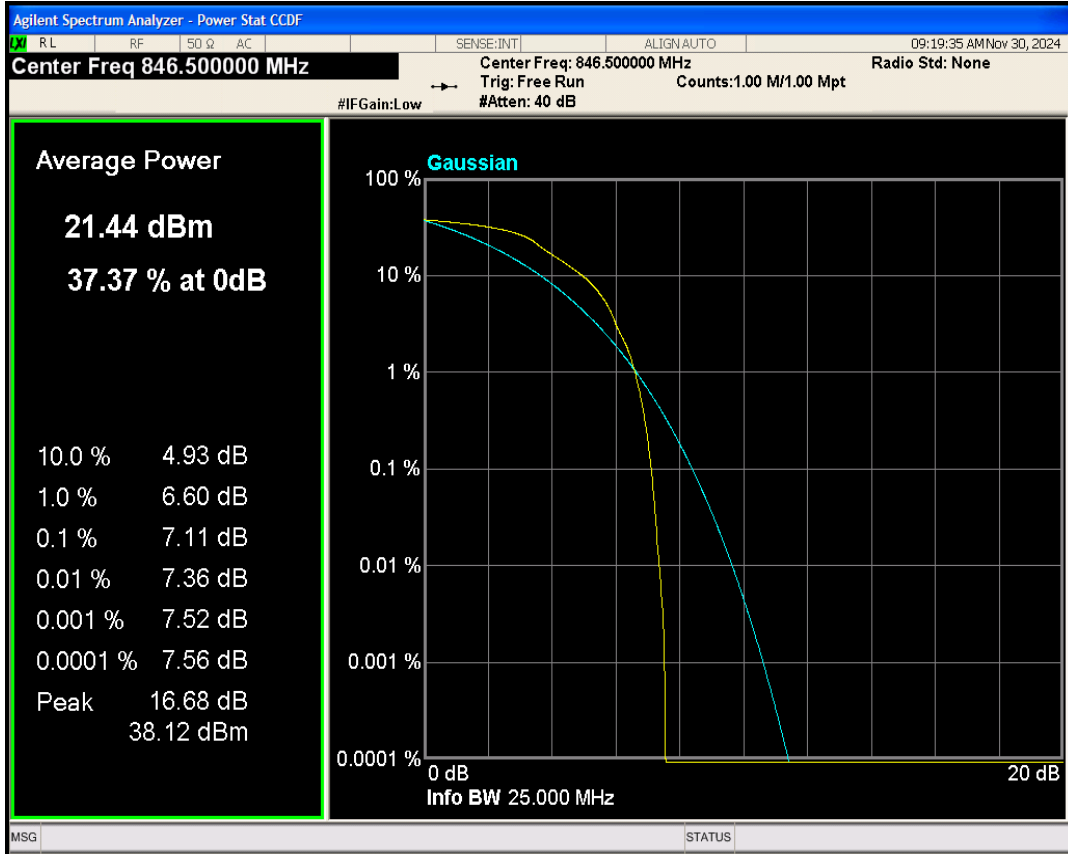
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



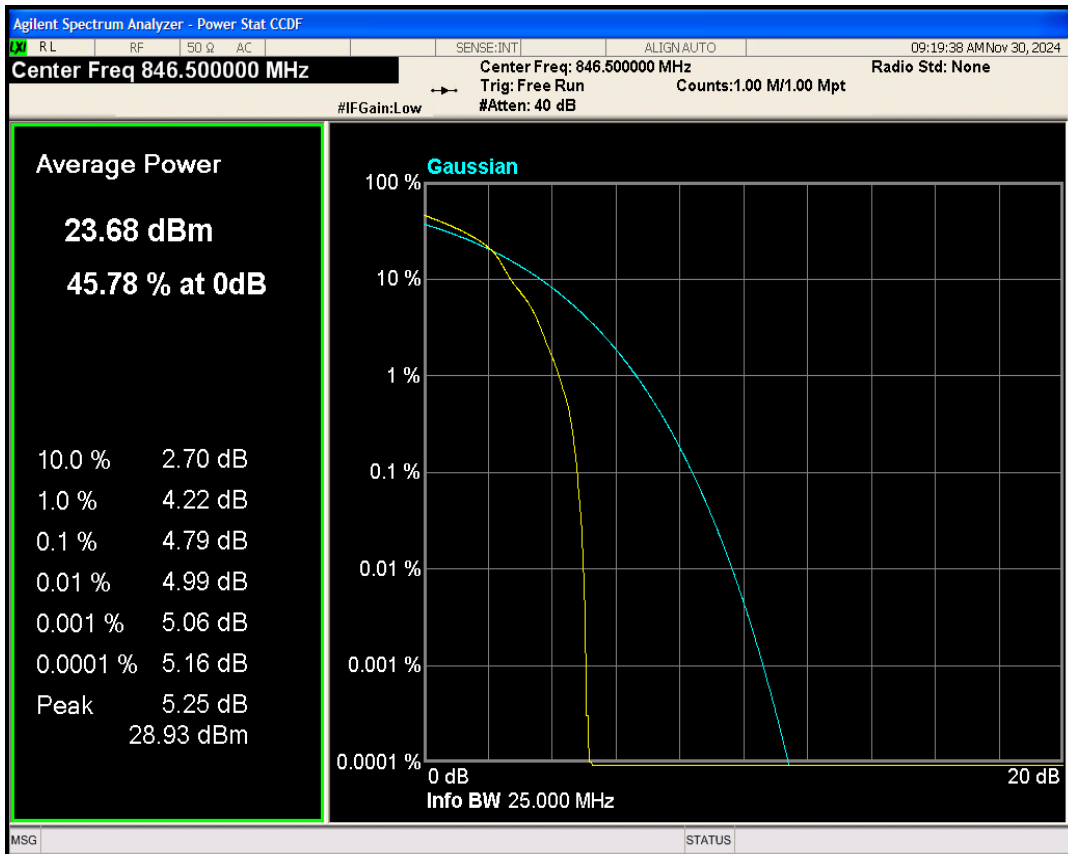
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



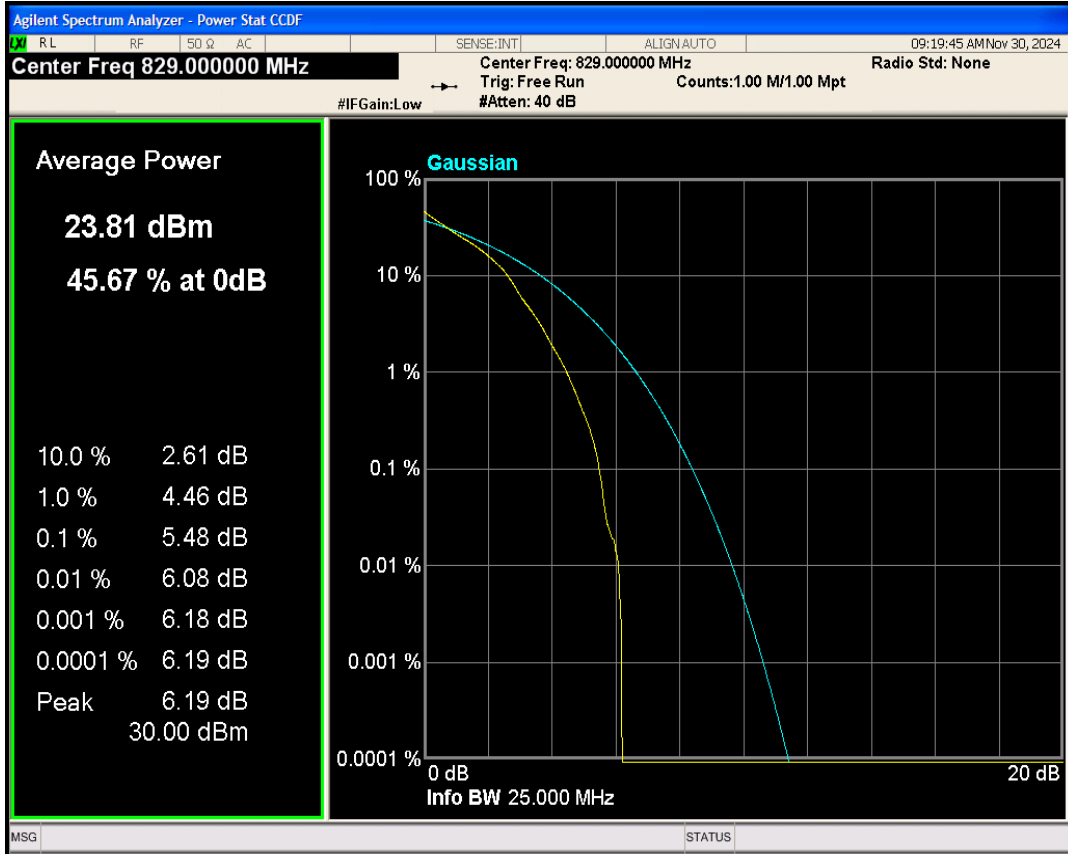
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



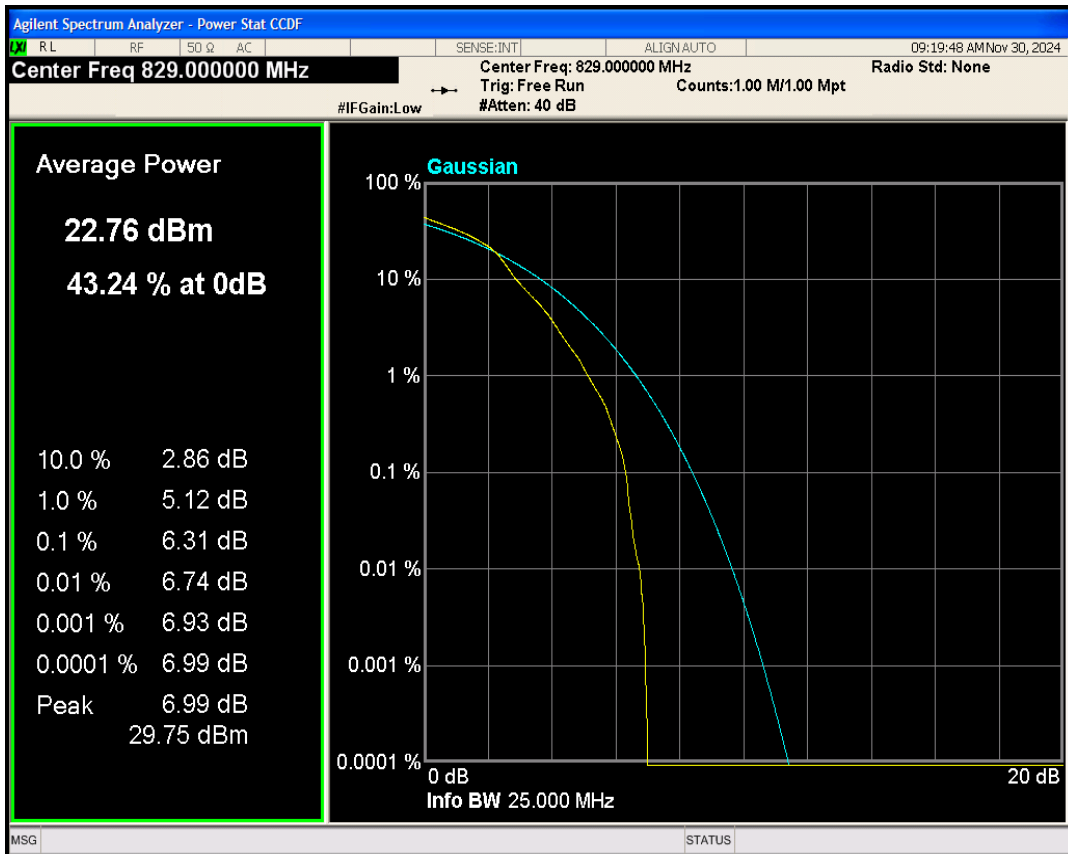
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



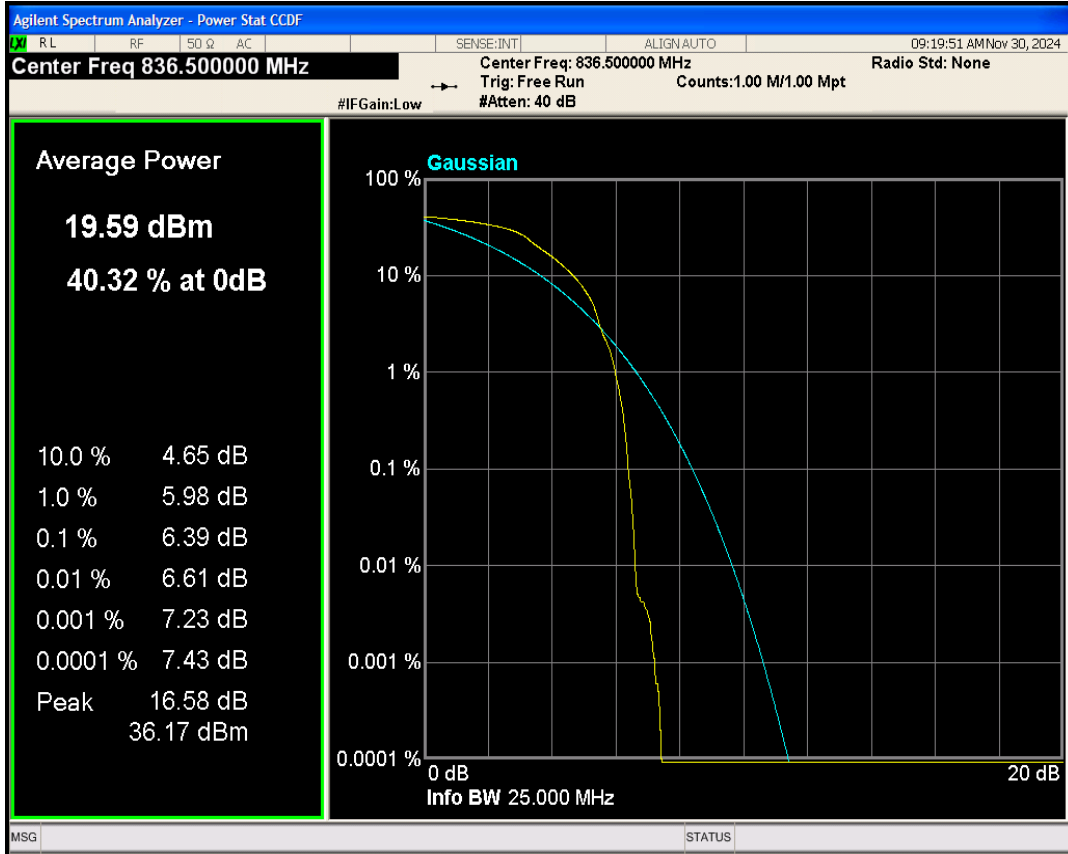
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



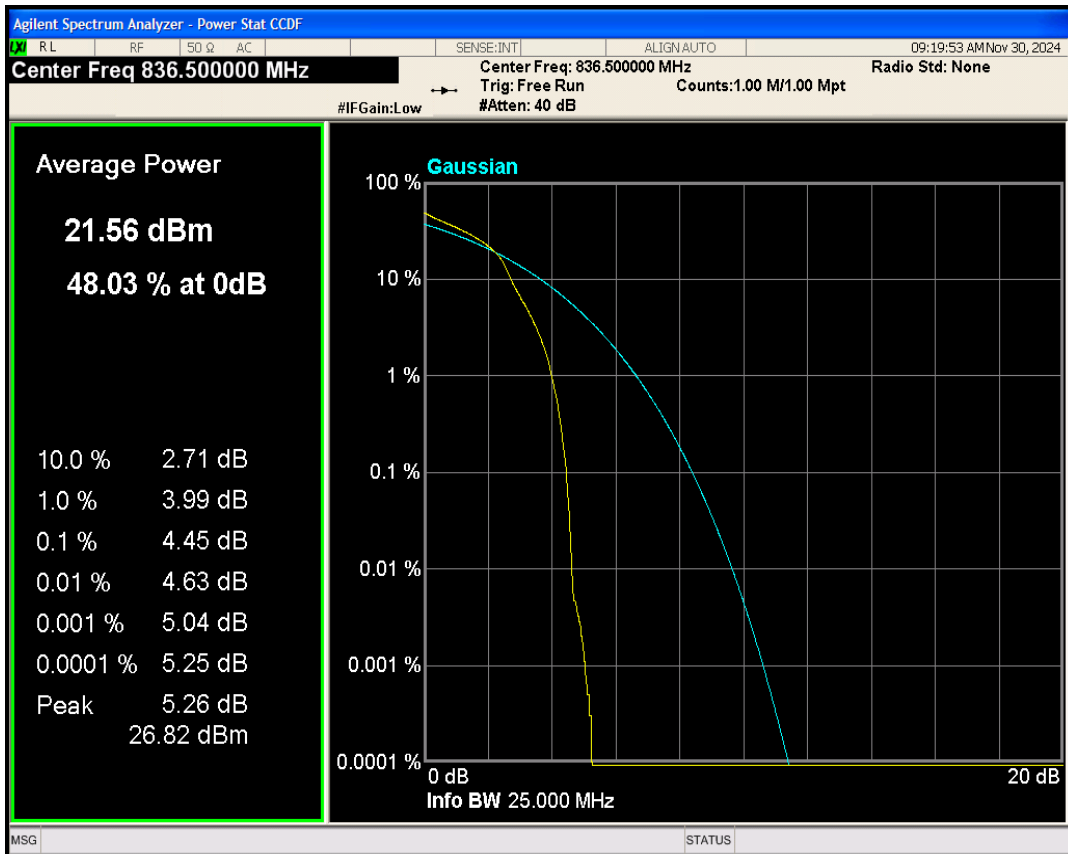
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



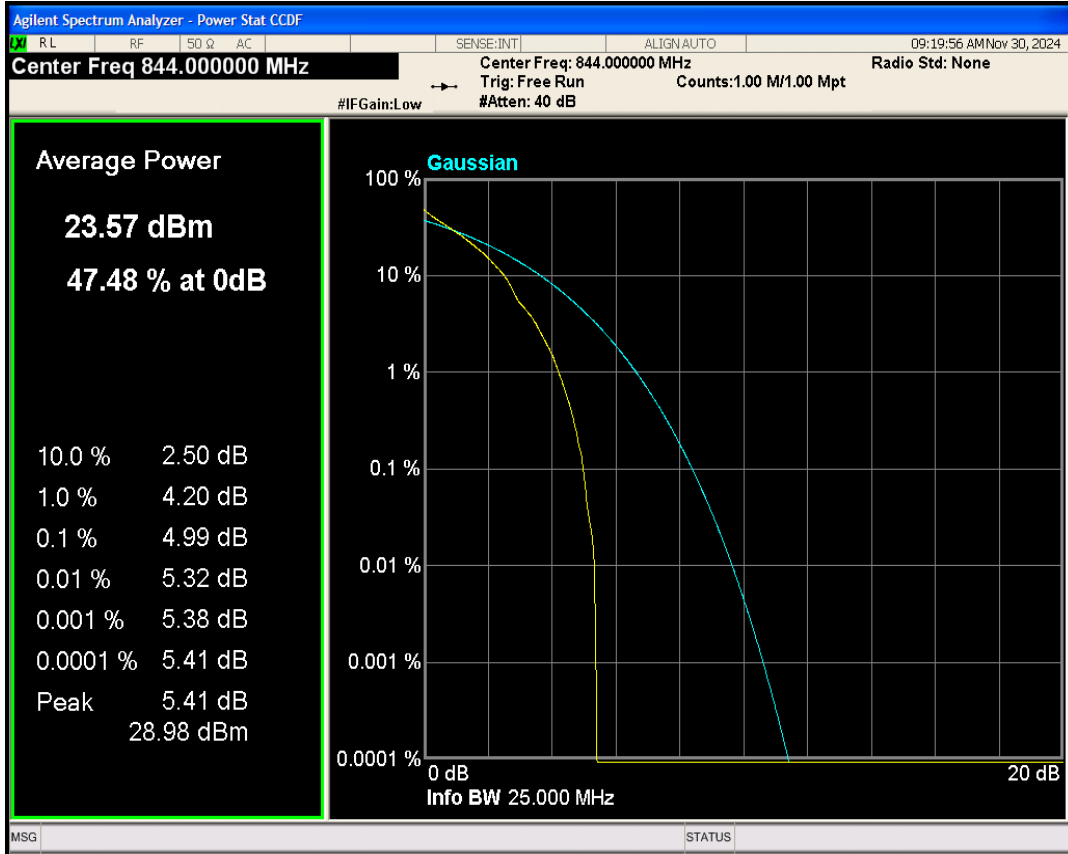
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



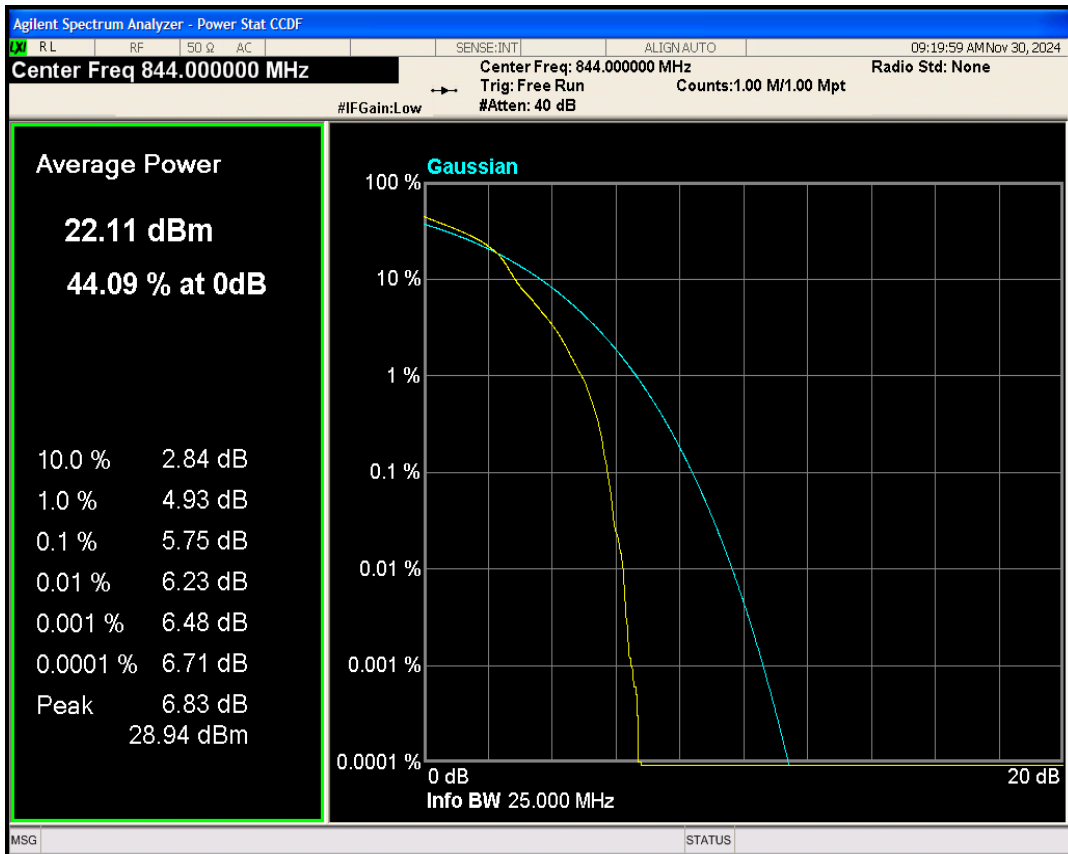
Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



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



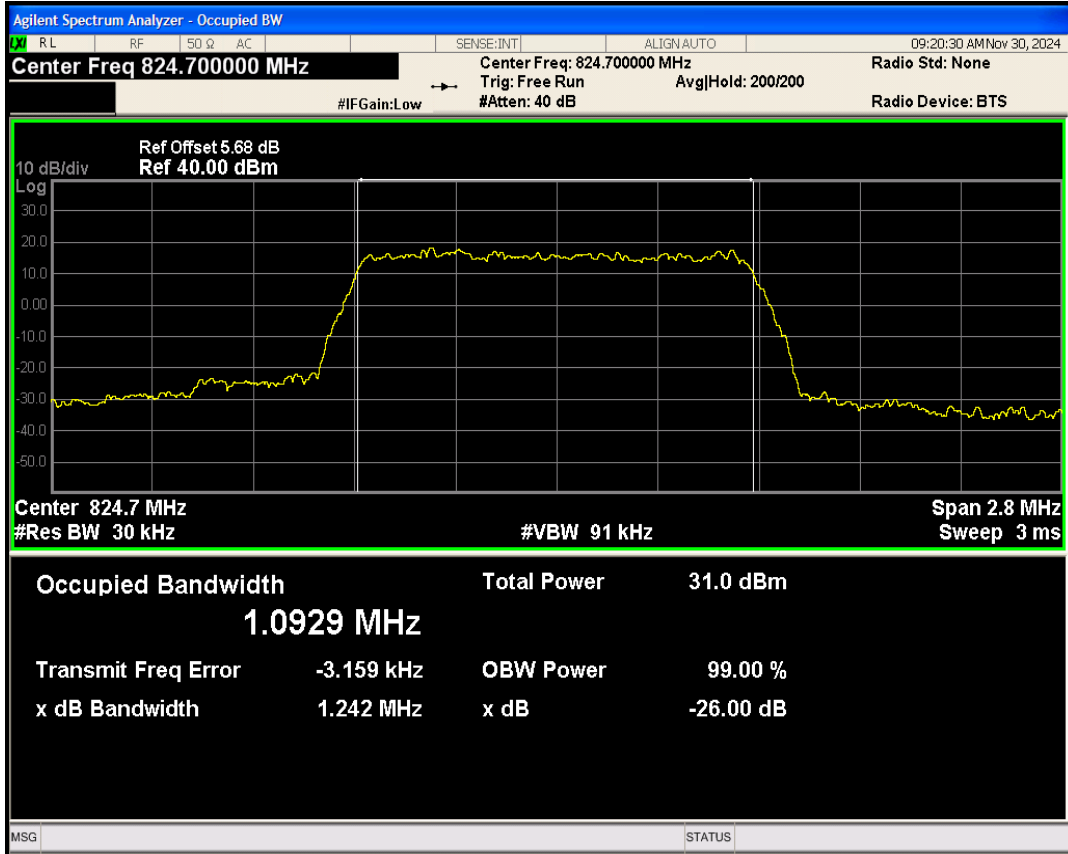
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0



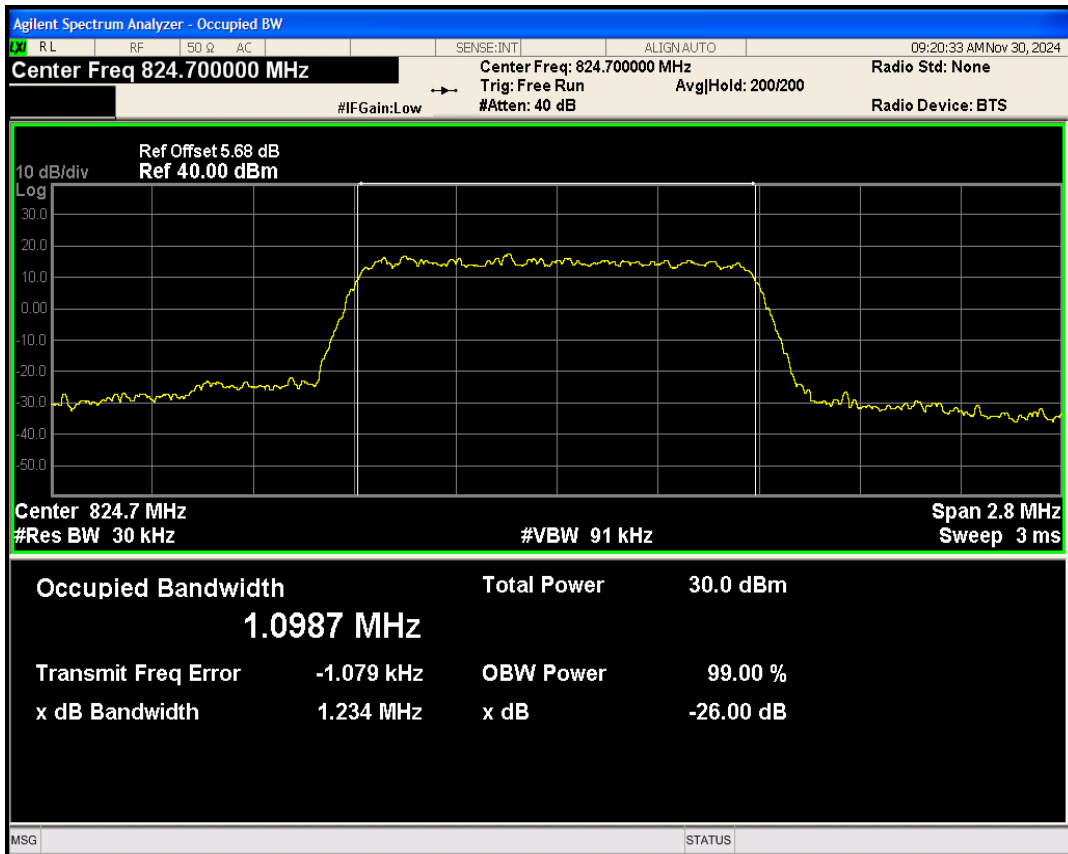
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.093	1.242	PASS
Band5	1.4	20407	6	#0	16QAM	1.099	1.234	PASS
Band5	1.4	20525	6	#0	QPSK	1.096	1.245	PASS
Band5	1.4	20525	6	#0	16QAM	1.101	1.243	PASS
Band5	1.4	20643	6	#0	QPSK	1.096	1.250	PASS
Band5	1.4	20643	6	#0	16QAM	1.097	1.241	PASS
Band5	3	20415	15	#0	QPSK	2.713	3.041	PASS
Band5	3	20415	15	#0	16QAM	2.706	3.034	PASS
Band5	3	20525	15	#0	QPSK	2.697	3.037	PASS
Band5	3	20525	15	#0	16QAM	2.705	3.035	PASS
Band5	3	20635	15	#0	QPSK	2.707	3.028	PASS
Band5	3	20635	15	#0	16QAM	2.717	3.065	PASS
Band5	5	20425	25	#0	QPSK	4.521	4.972	PASS
Band5	5	20425	25	#0	16QAM	4.513	4.969	PASS
Band5	5	20525	25	#0	QPSK	4.507	4.919	PASS
Band5	5	20525	25	#0	16QAM	4.528	4.949	PASS
Band5	5	20625	25	#0	QPSK	4.496	4.936	PASS
Band5	5	20625	25	#0	16QAM	4.525	4.979	PASS
Band5	10	20450	50	#0	QPSK	9.052	9.991	PASS
Band5	10	20450	50	#0	16QAM	9.030	9.746	PASS
Band5	10	20525	50	#0	QPSK	8.956	9.817	PASS
Band5	10	20525	50	#0	16QAM	8.970	9.677	PASS
Band5	10	20600	50	#0	QPSK	8.958	9.845	PASS
Band5	10	20600	50	#0	16QAM	8.956	9.743	PASS

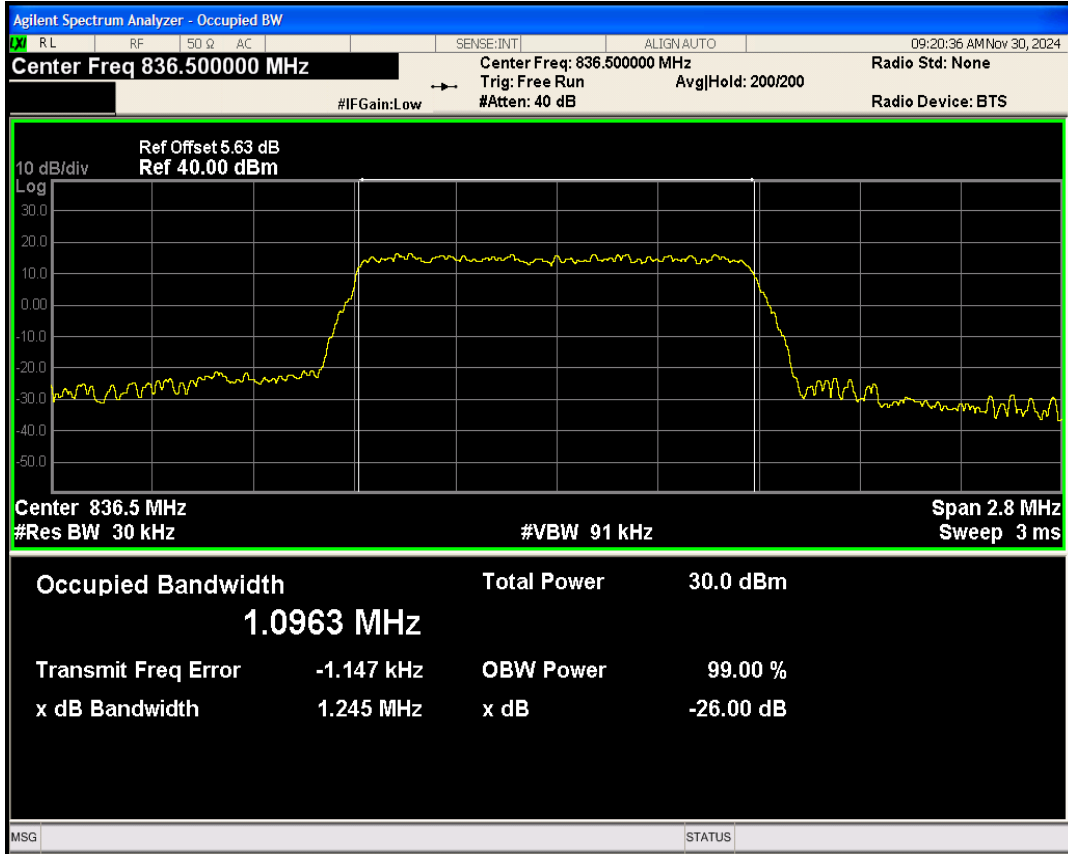
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



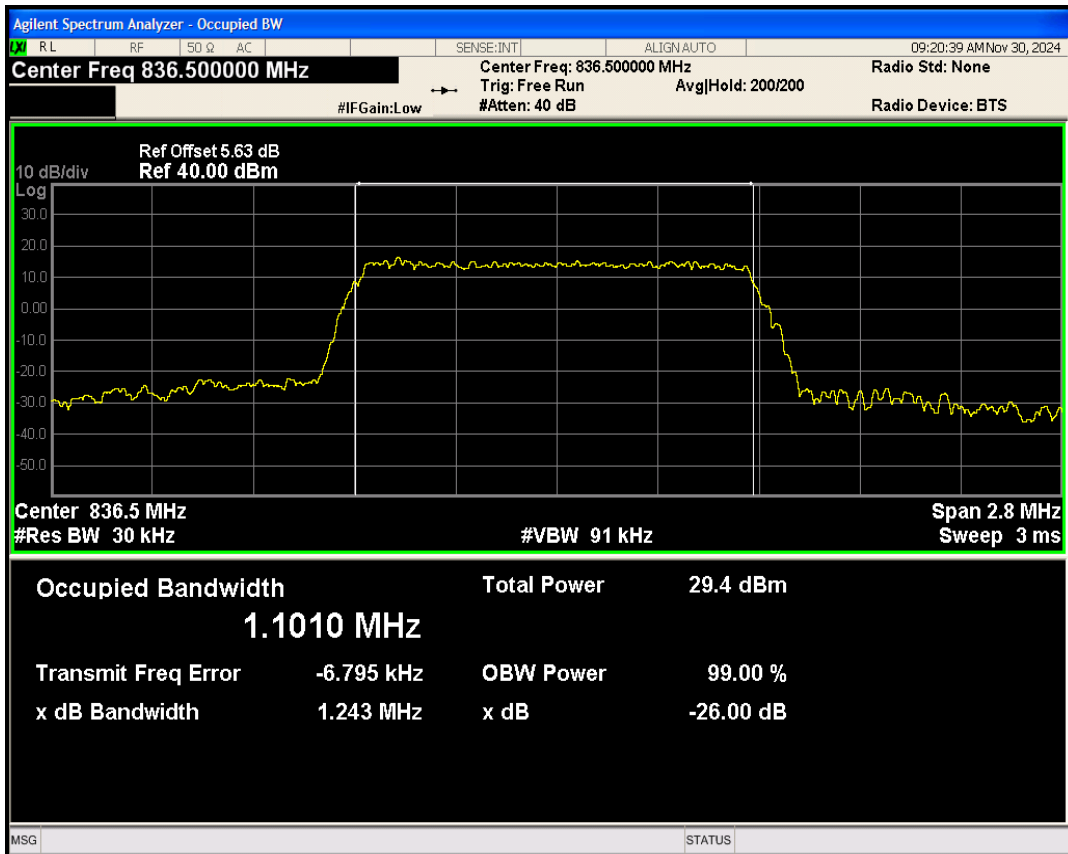
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



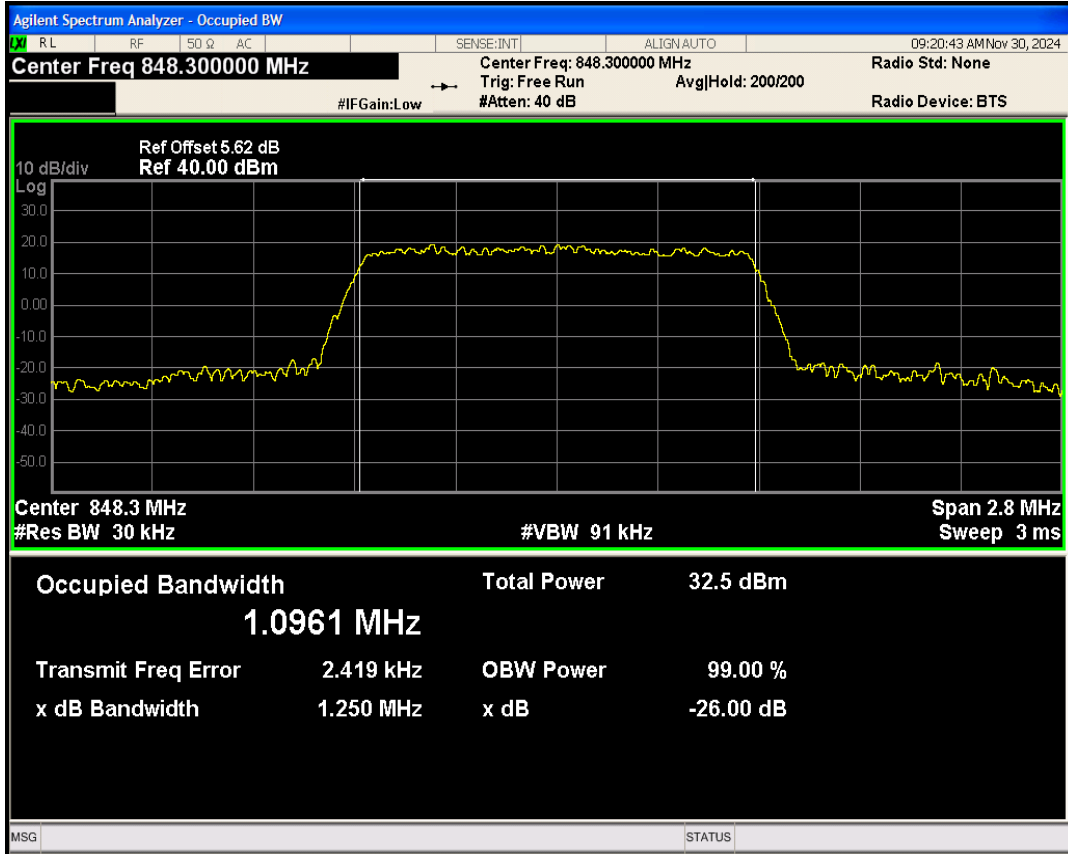
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



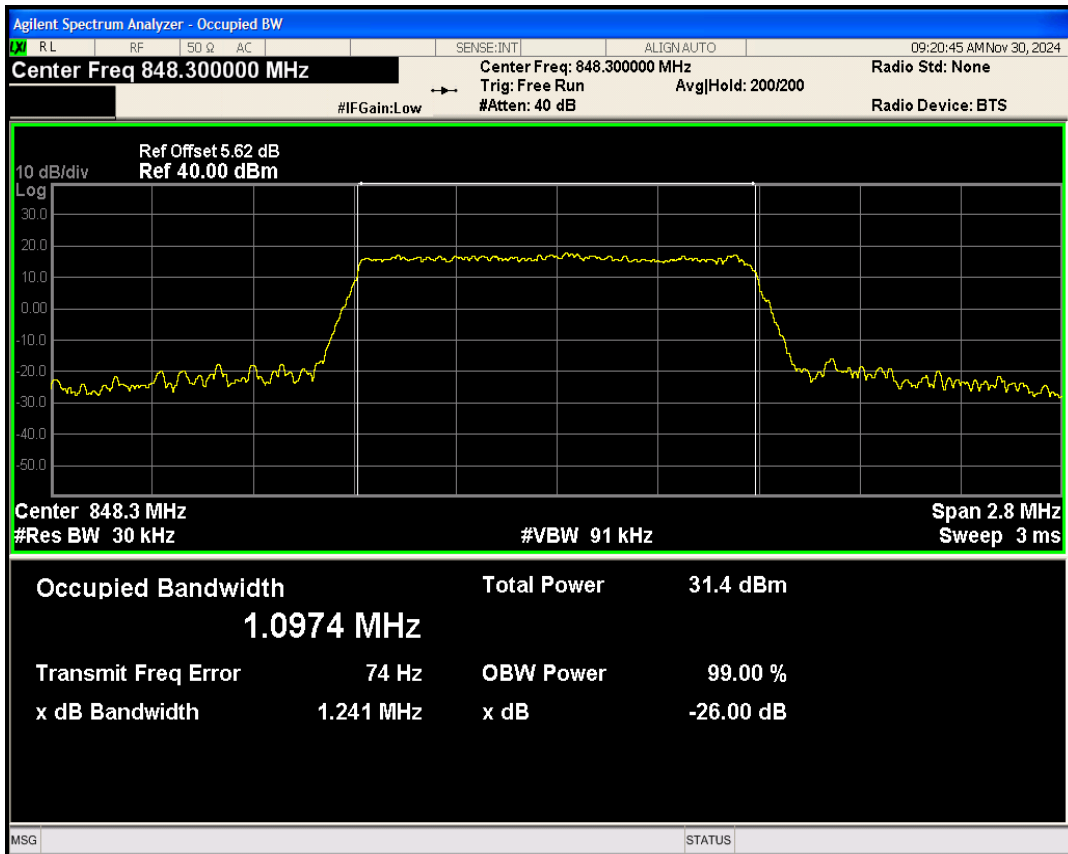
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



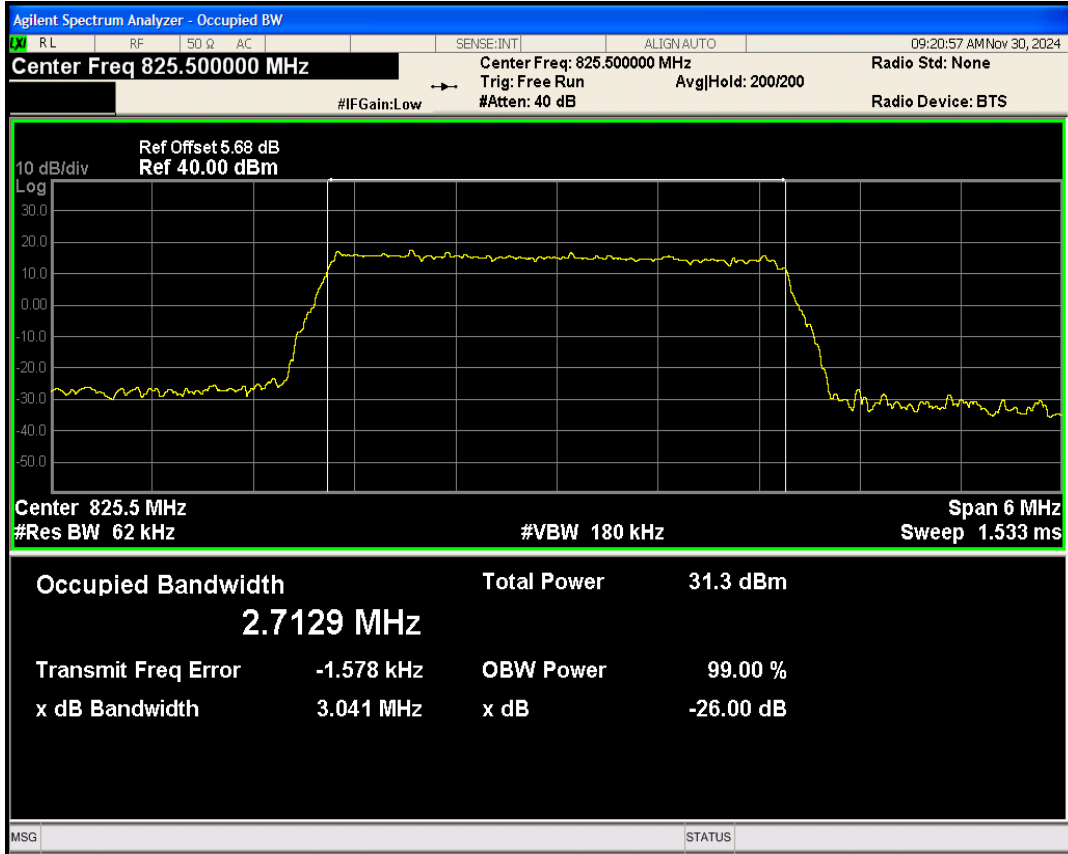
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



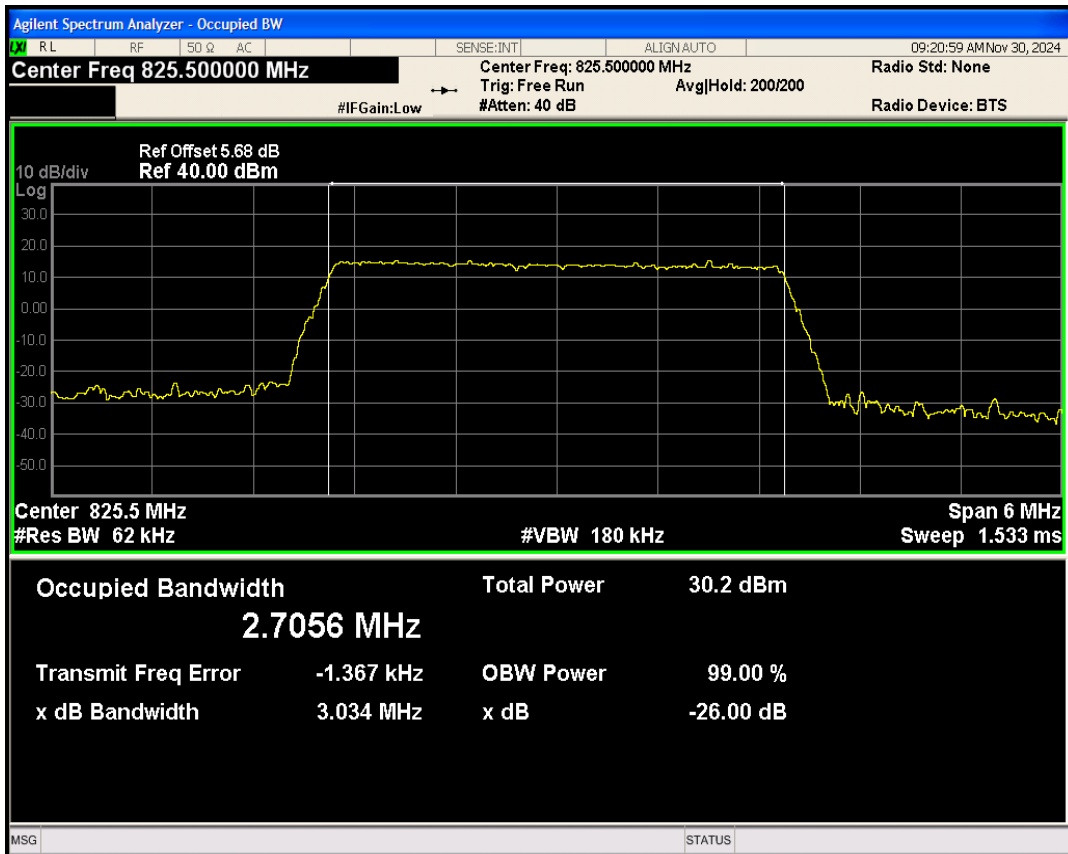
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



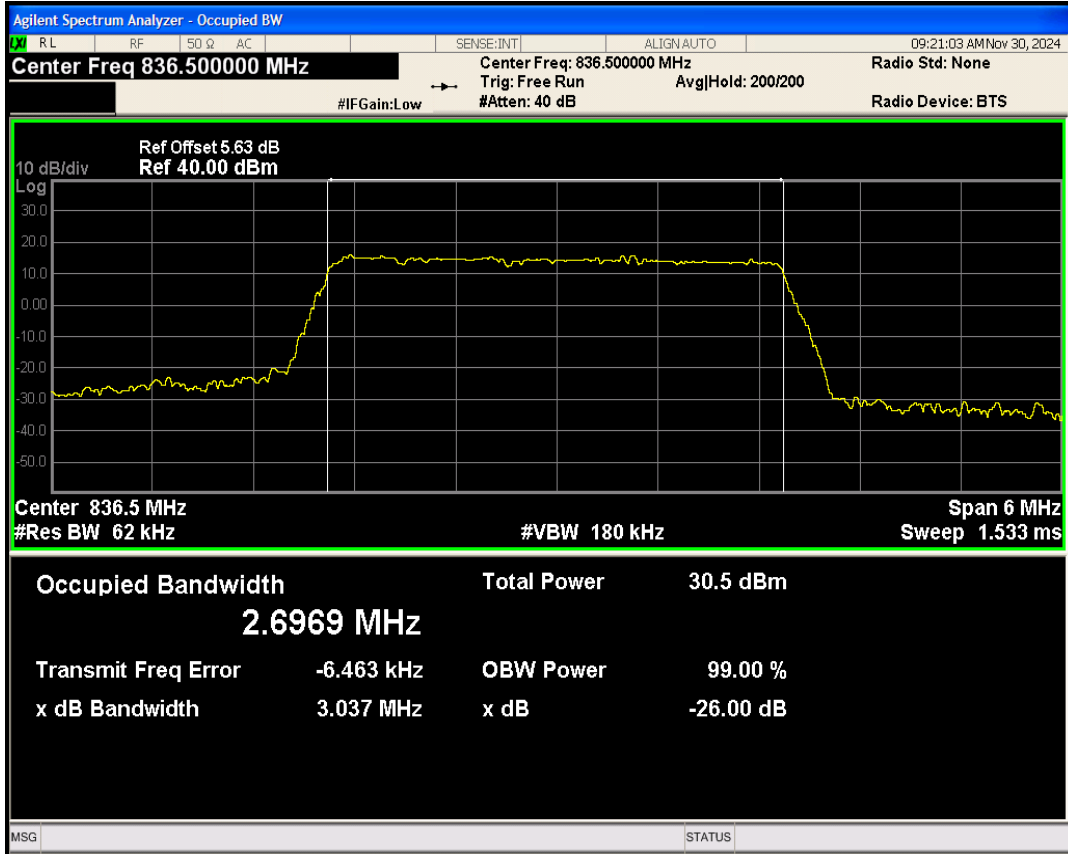
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



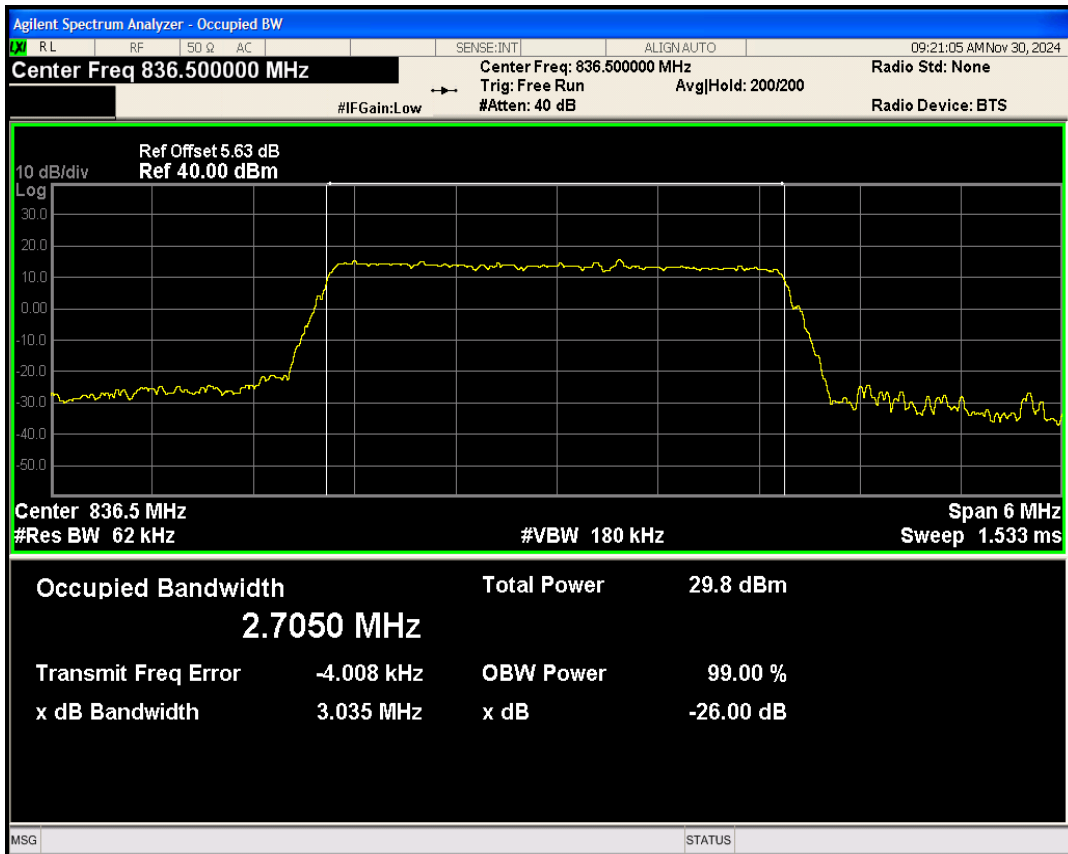
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



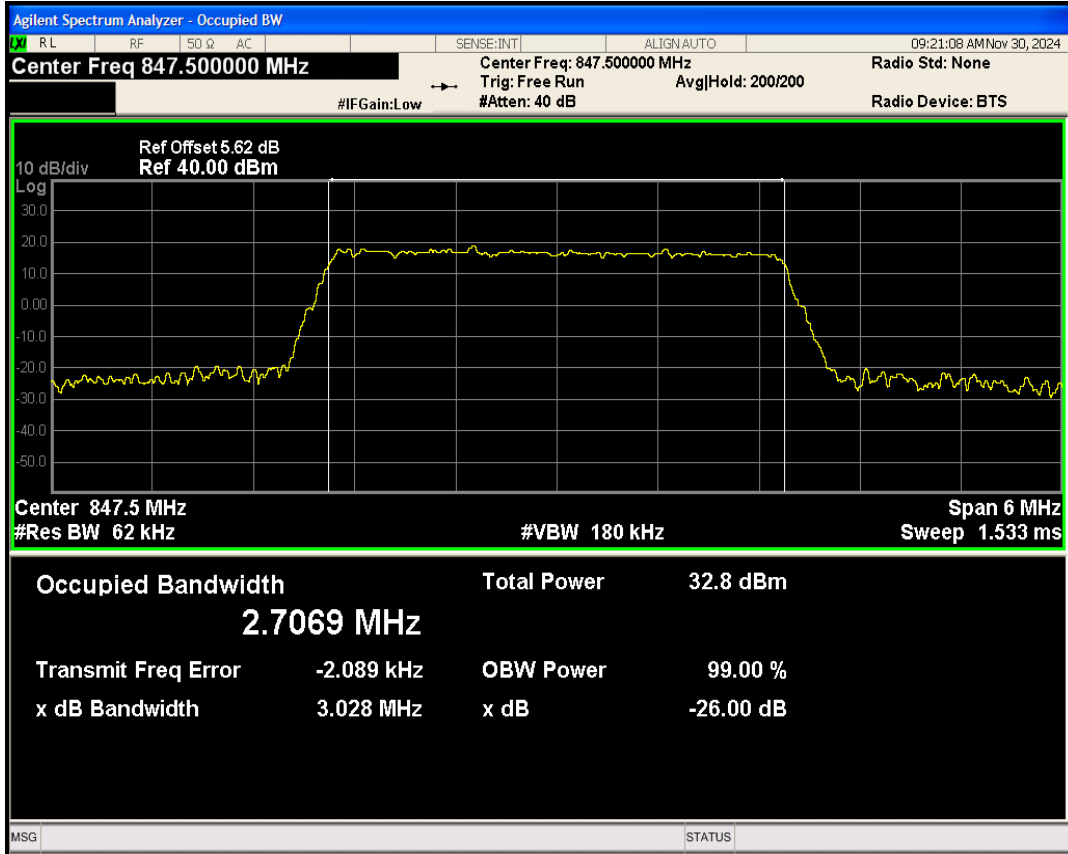
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



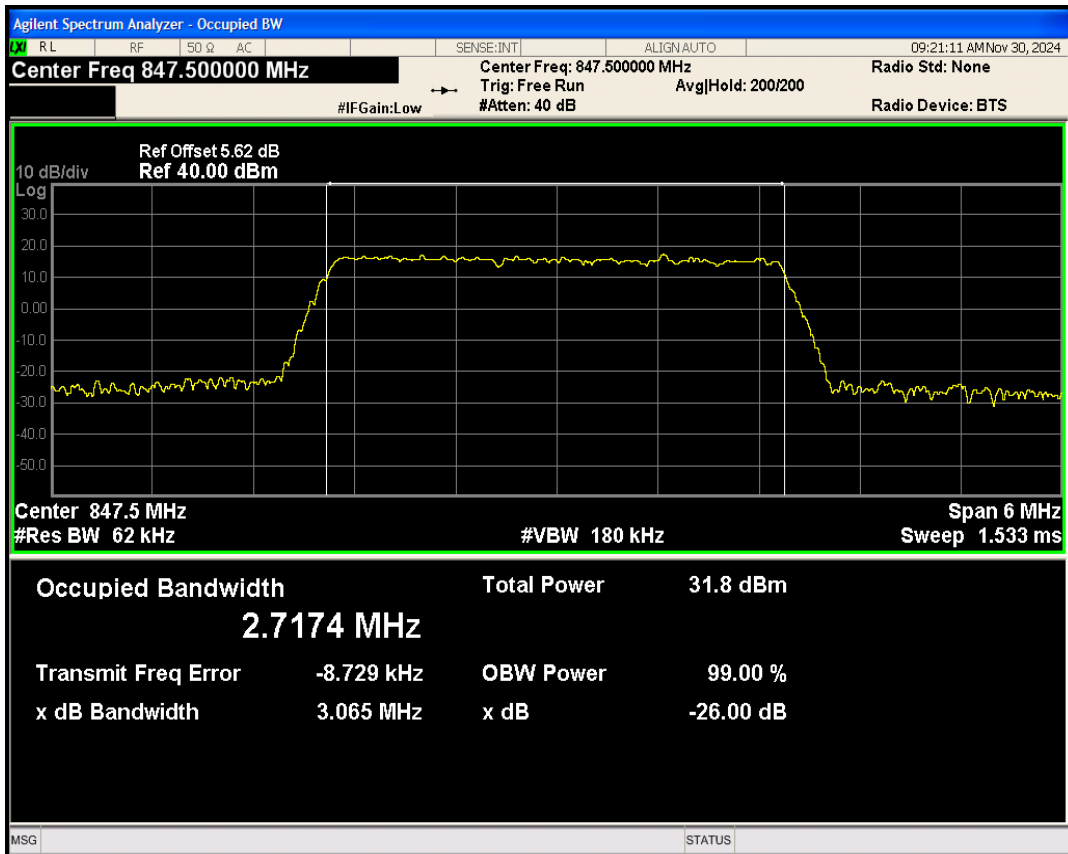
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



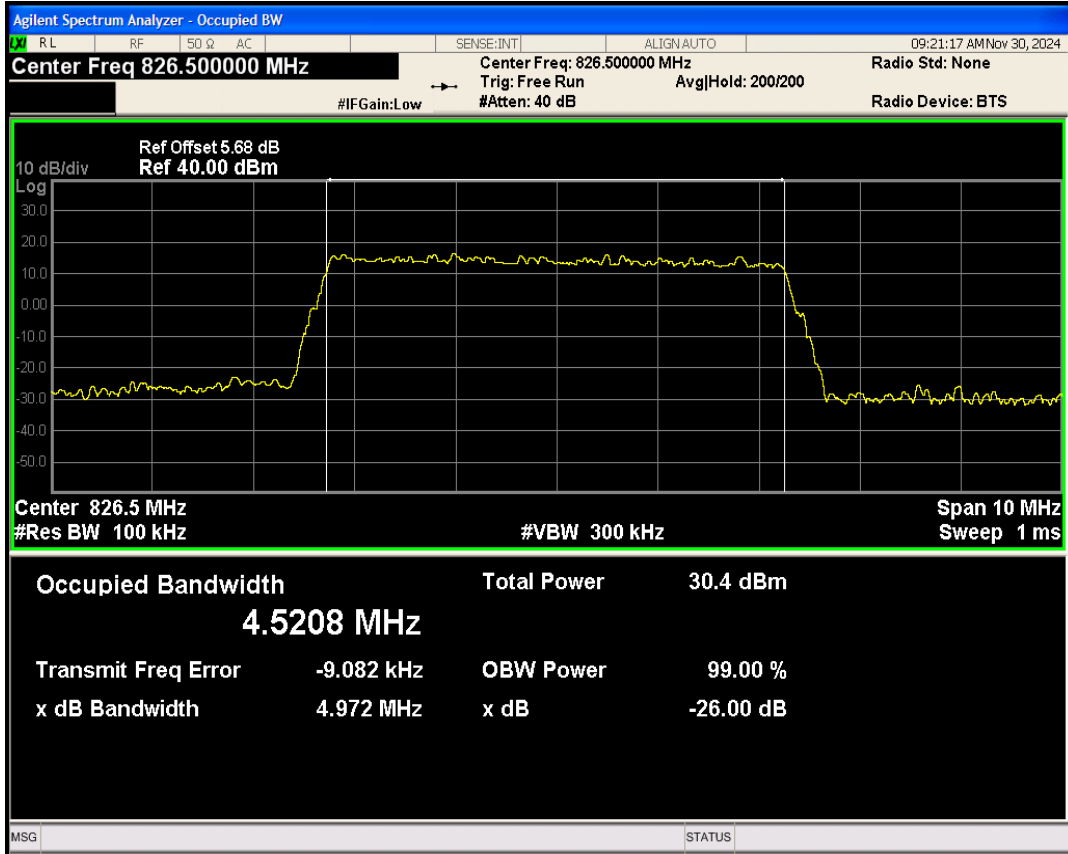
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



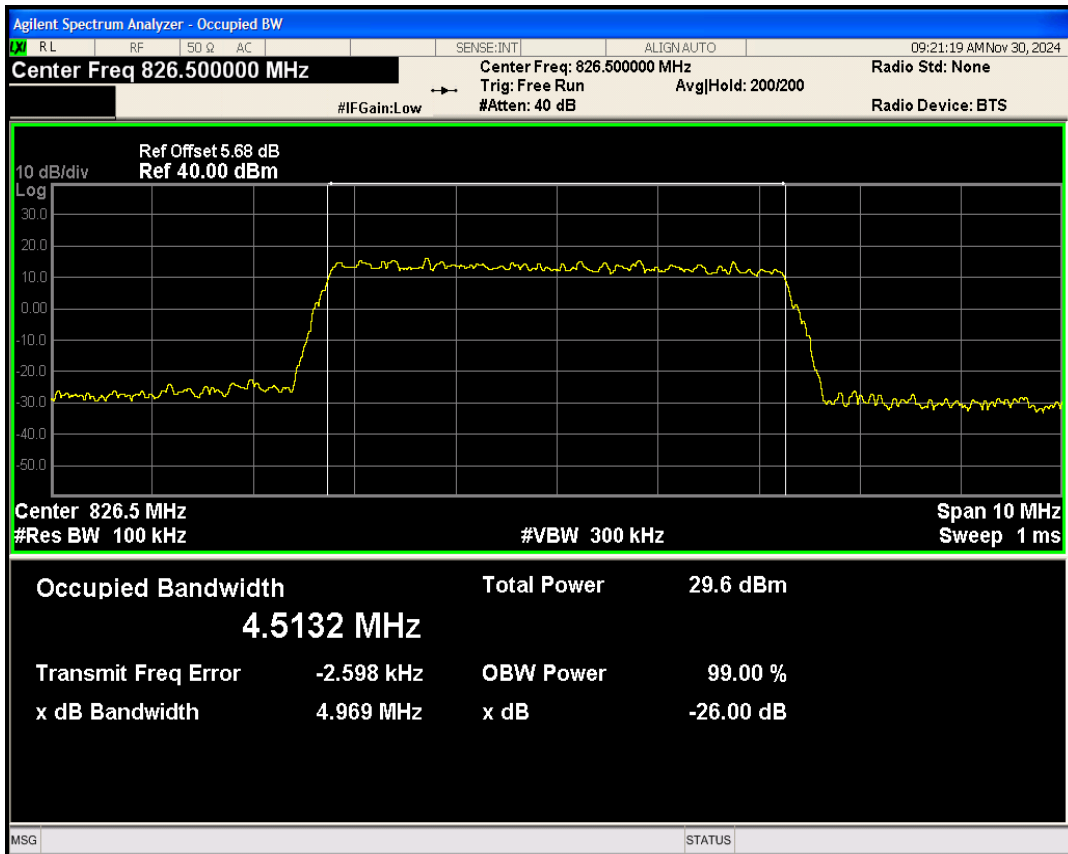
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



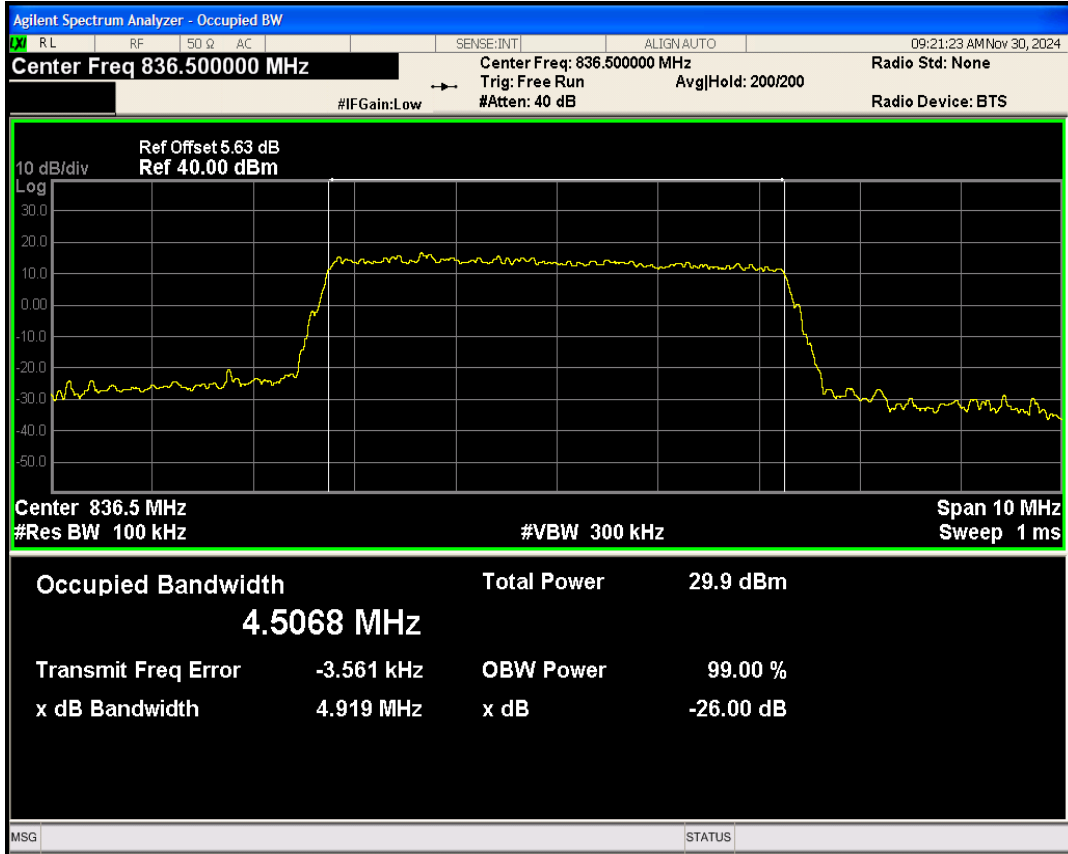
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



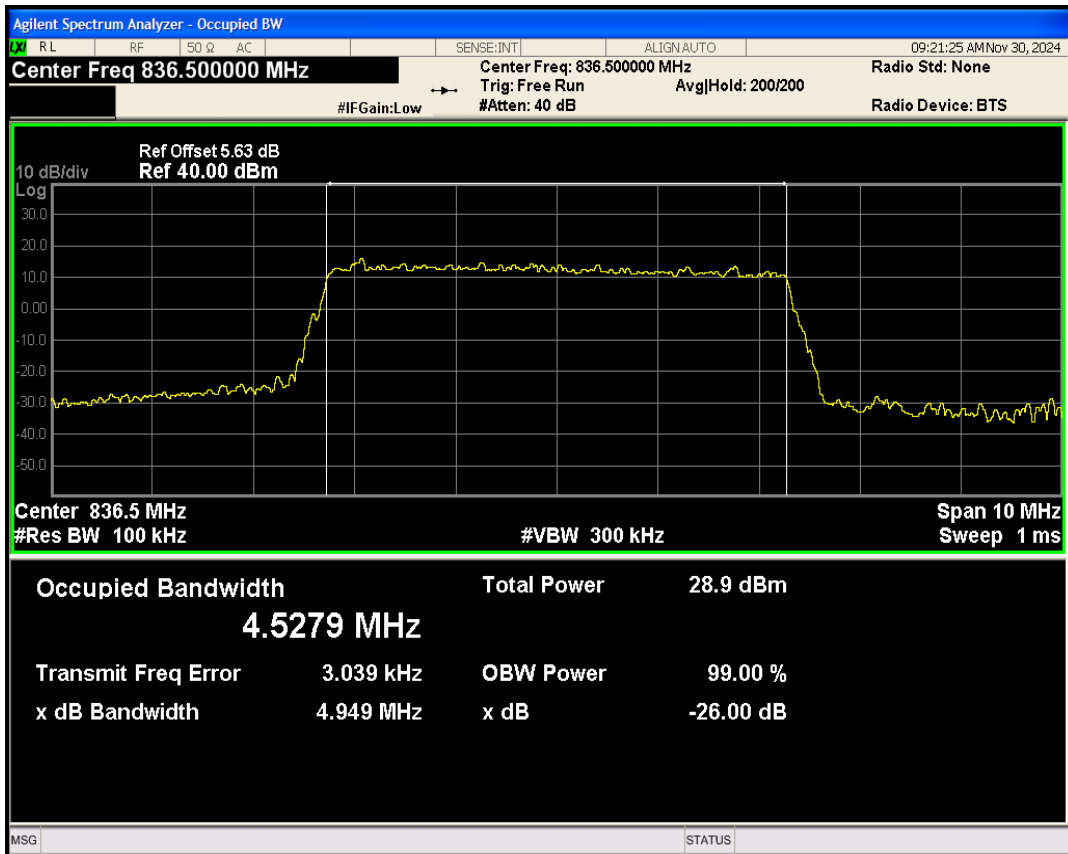
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



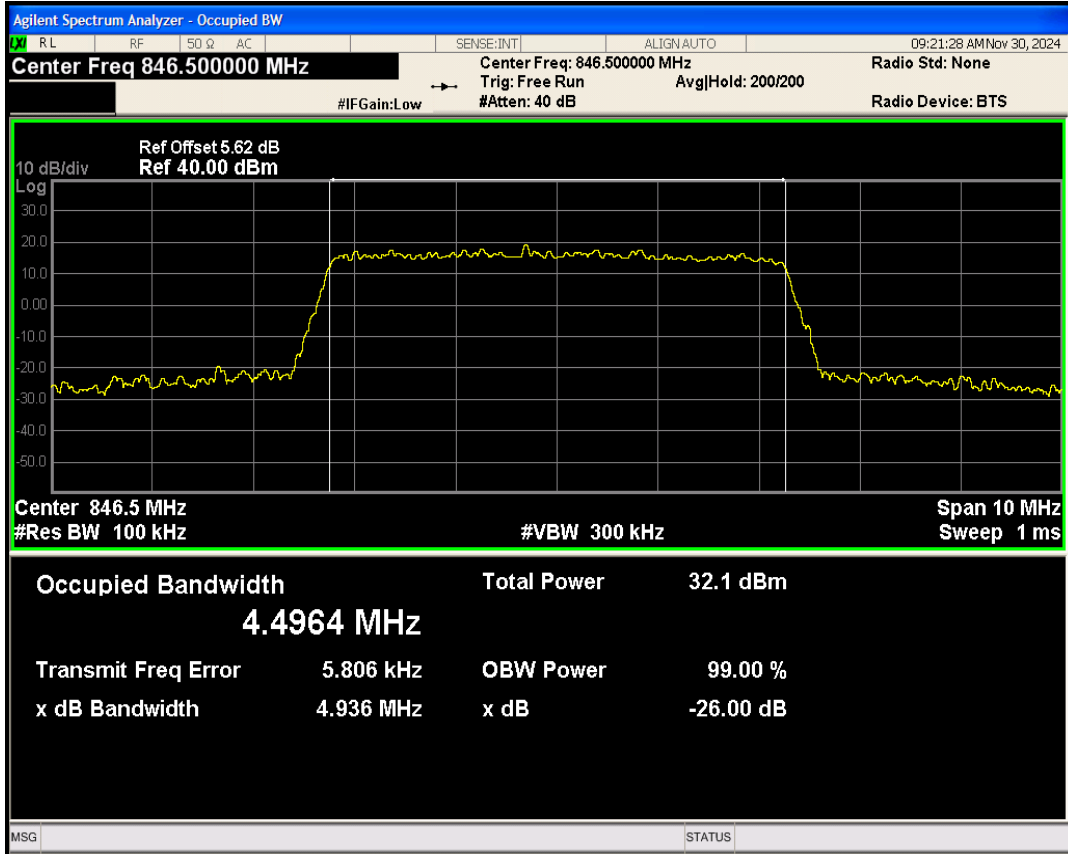
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



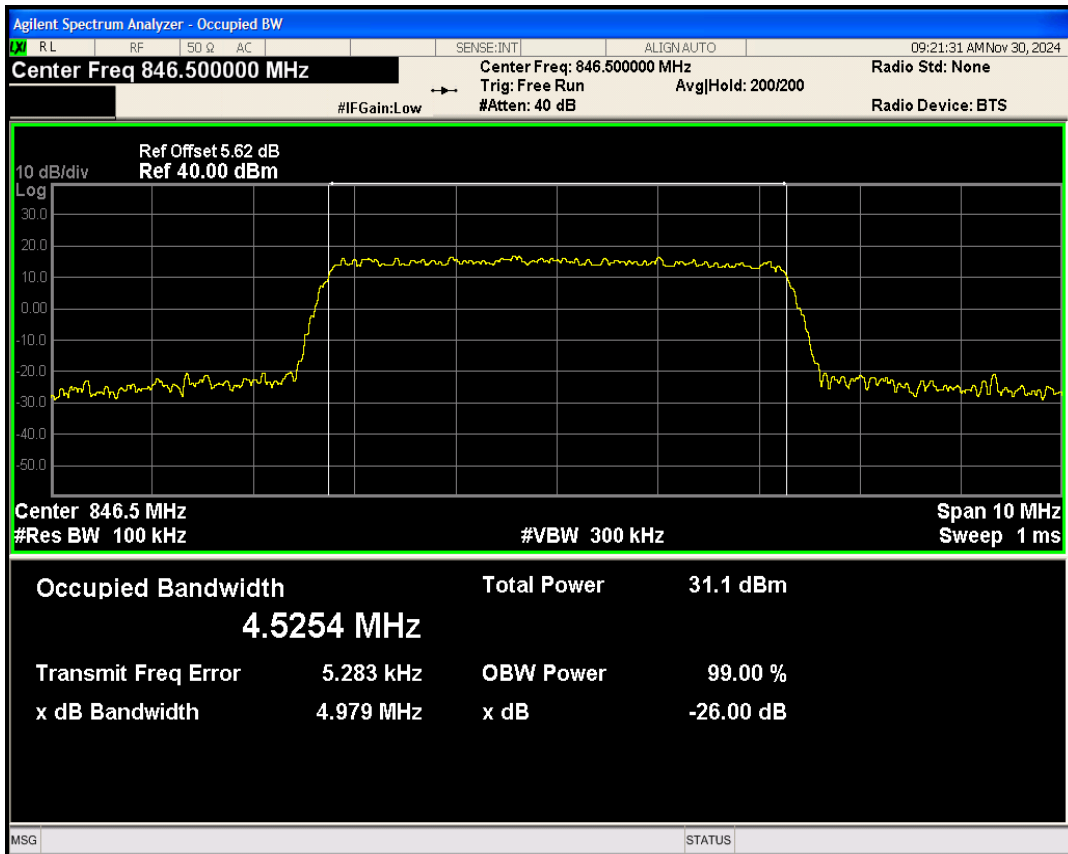
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



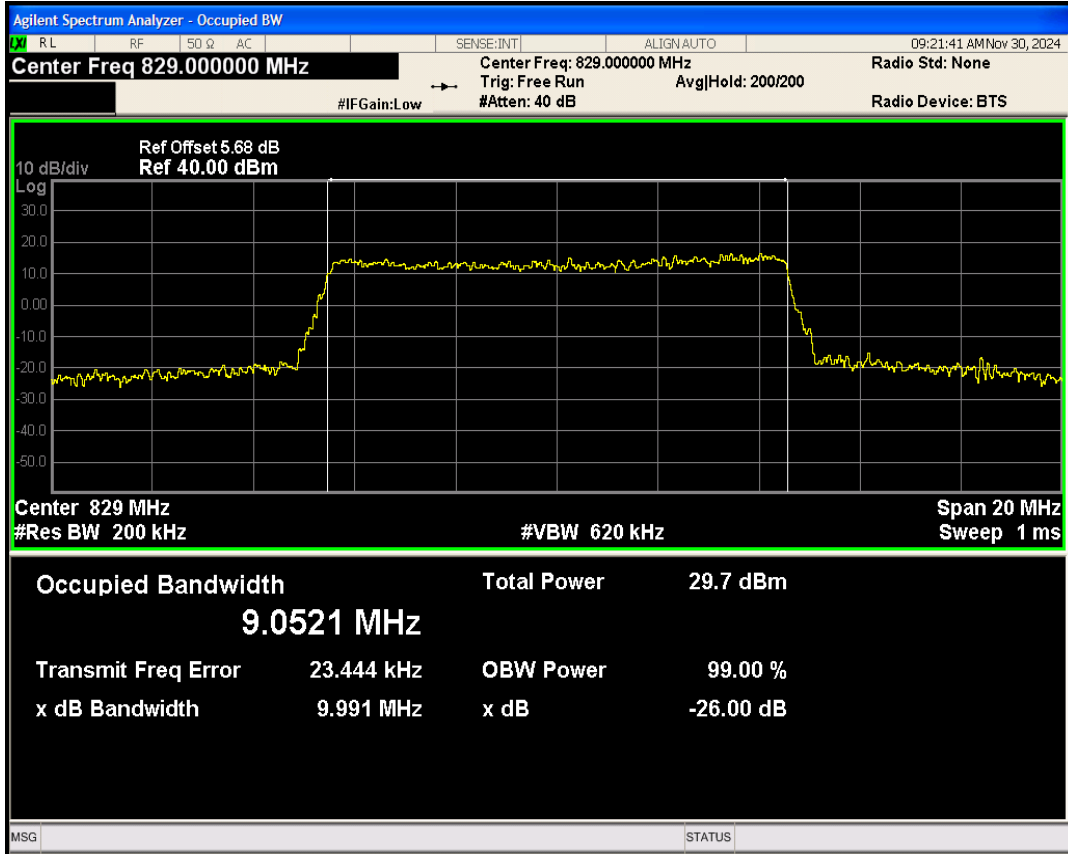
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



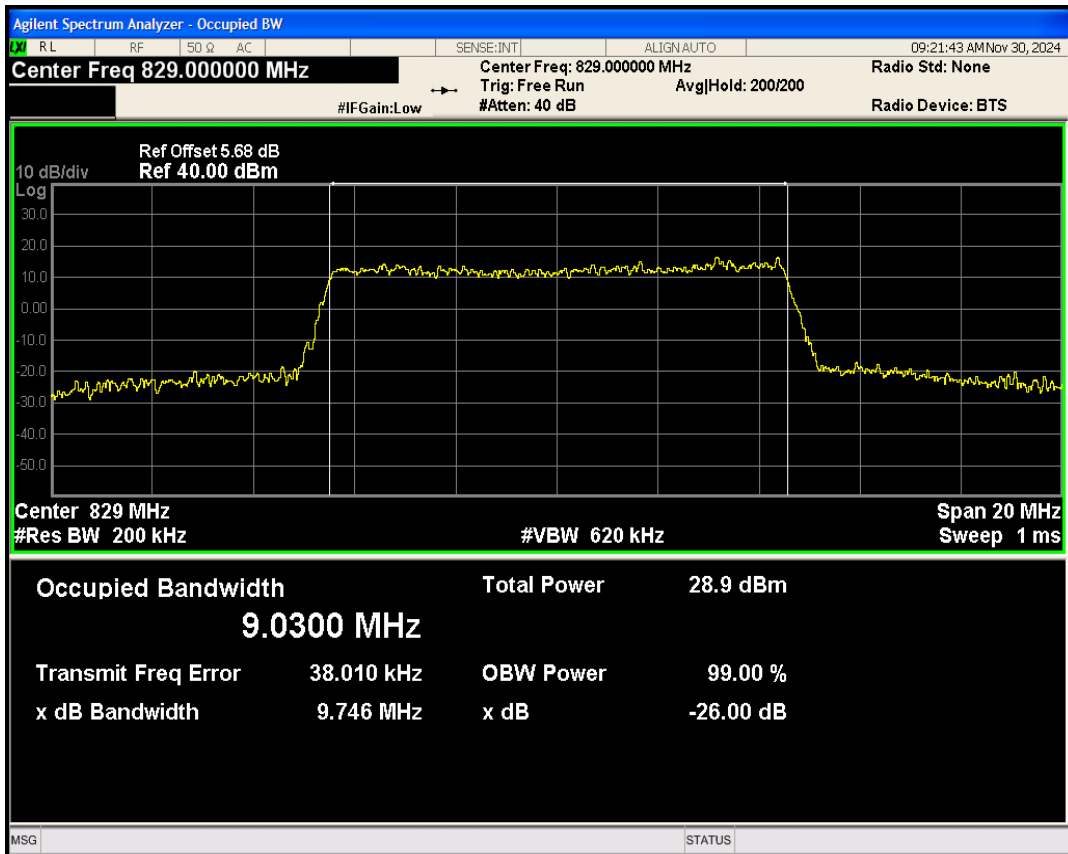
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



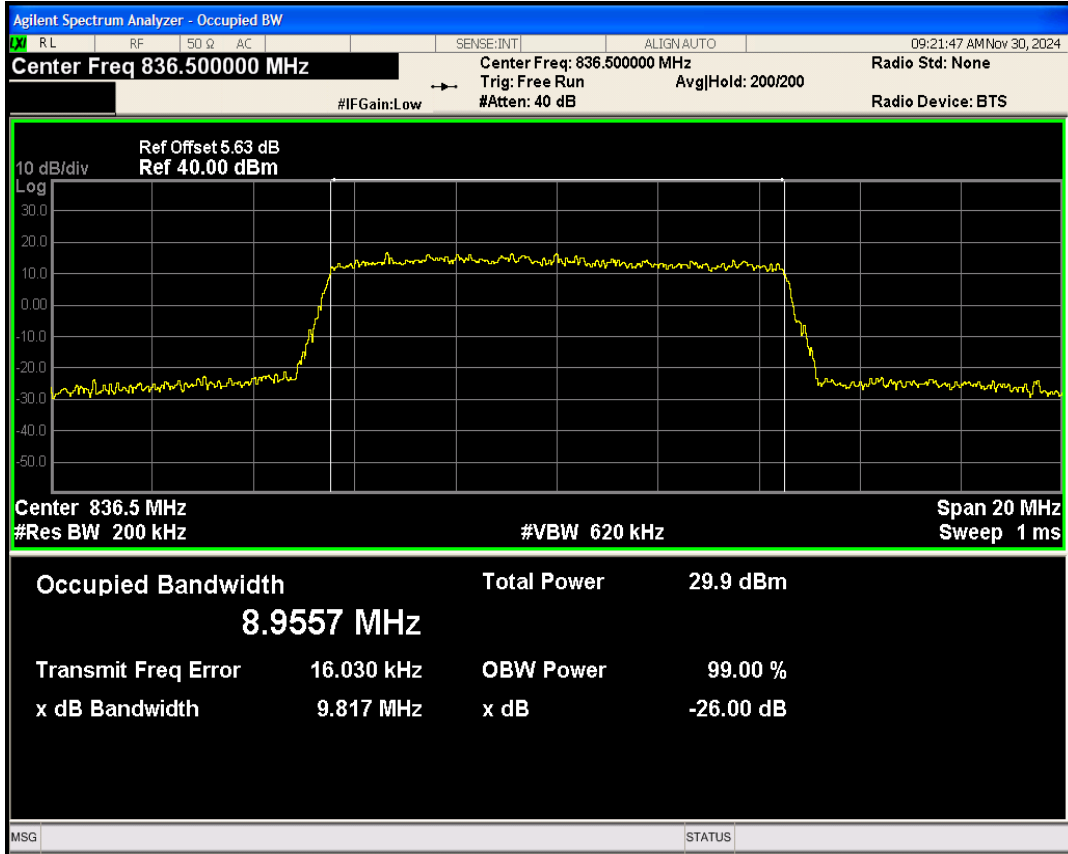
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



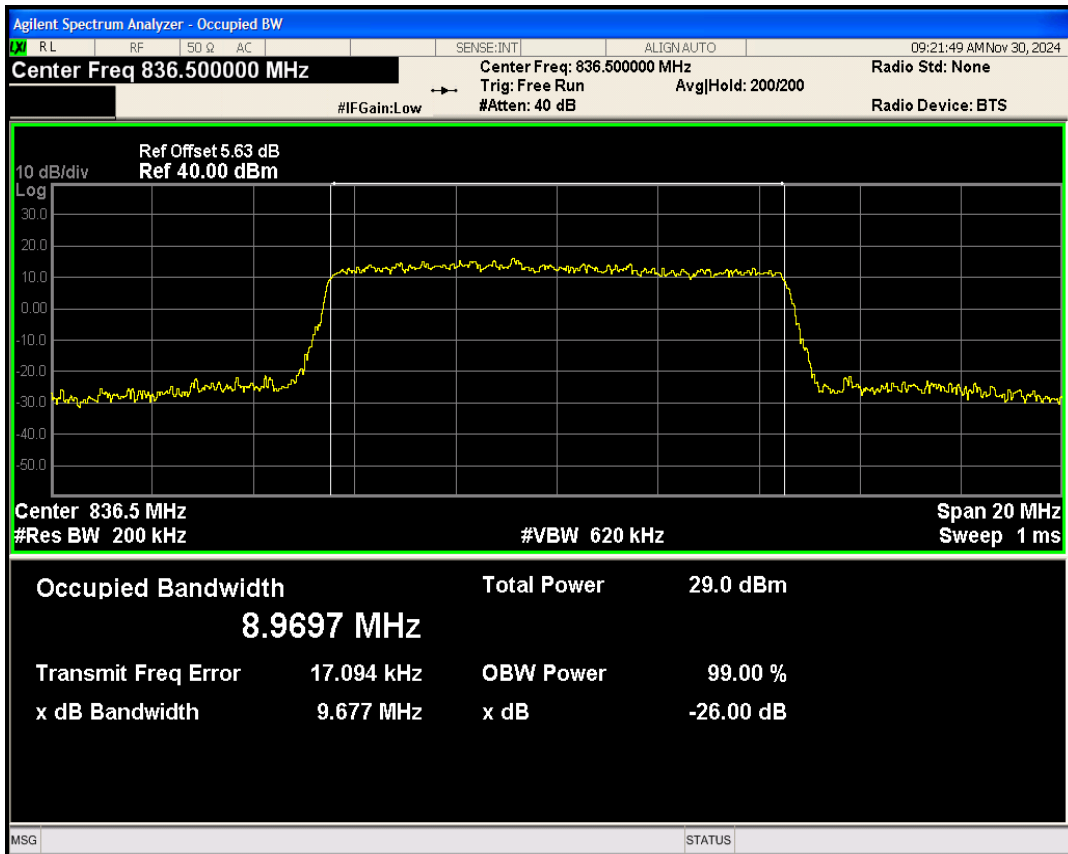
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



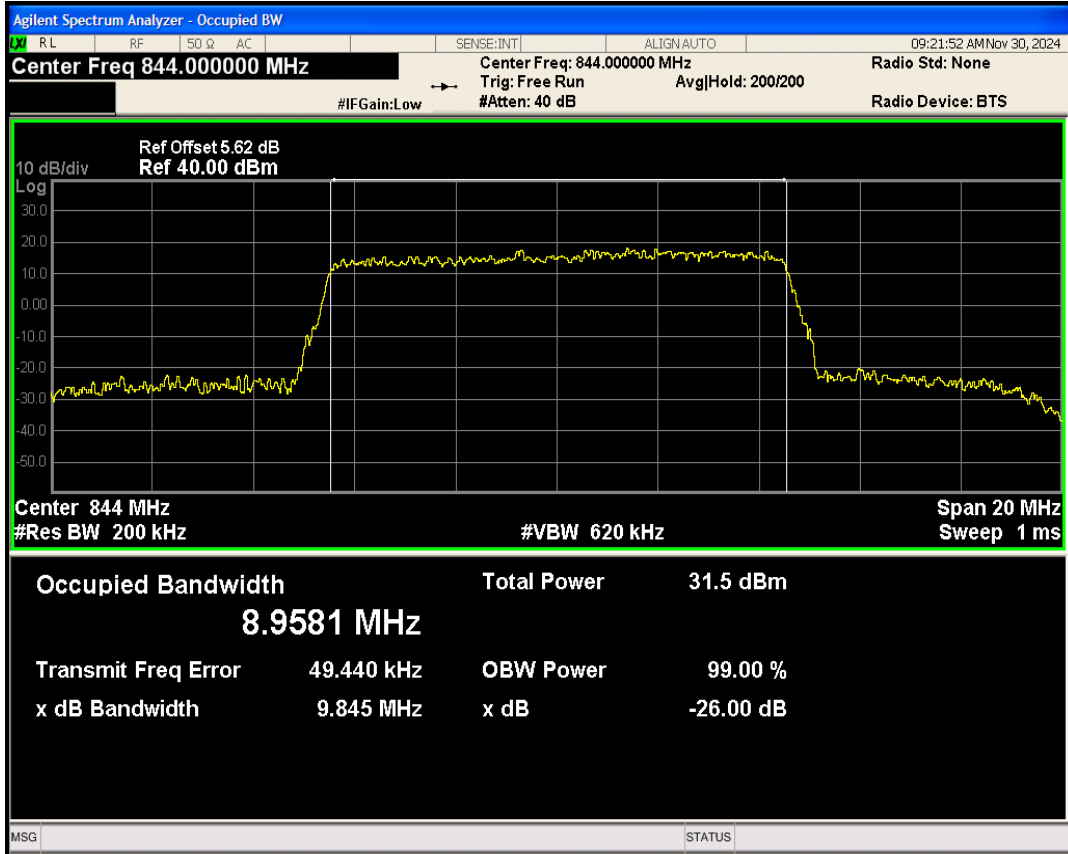
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



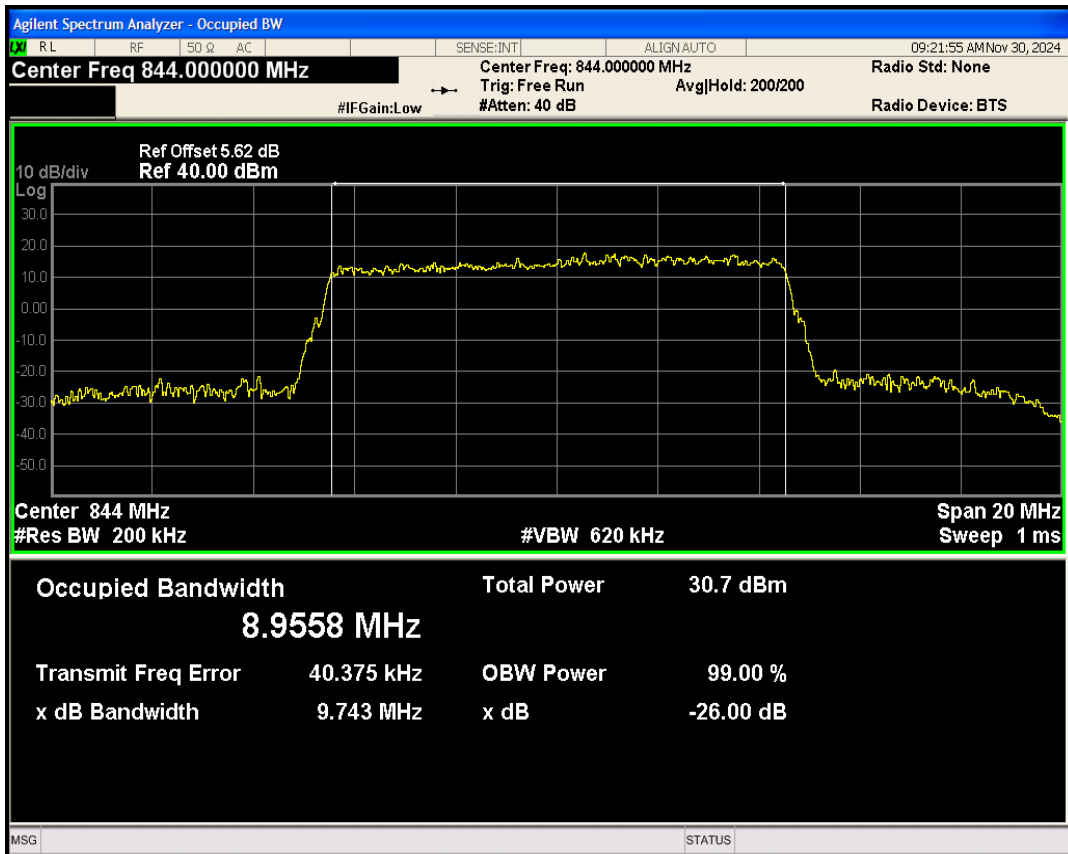
Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



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



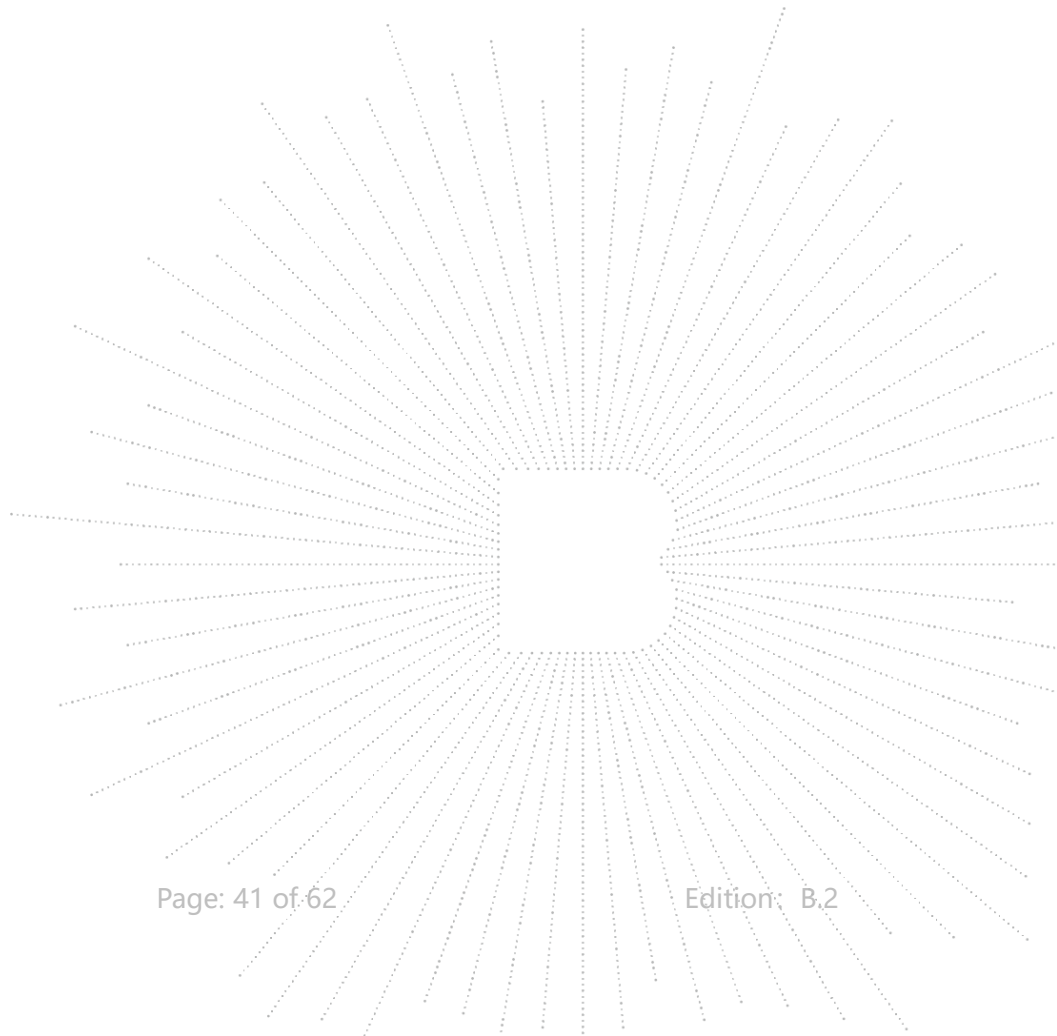
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

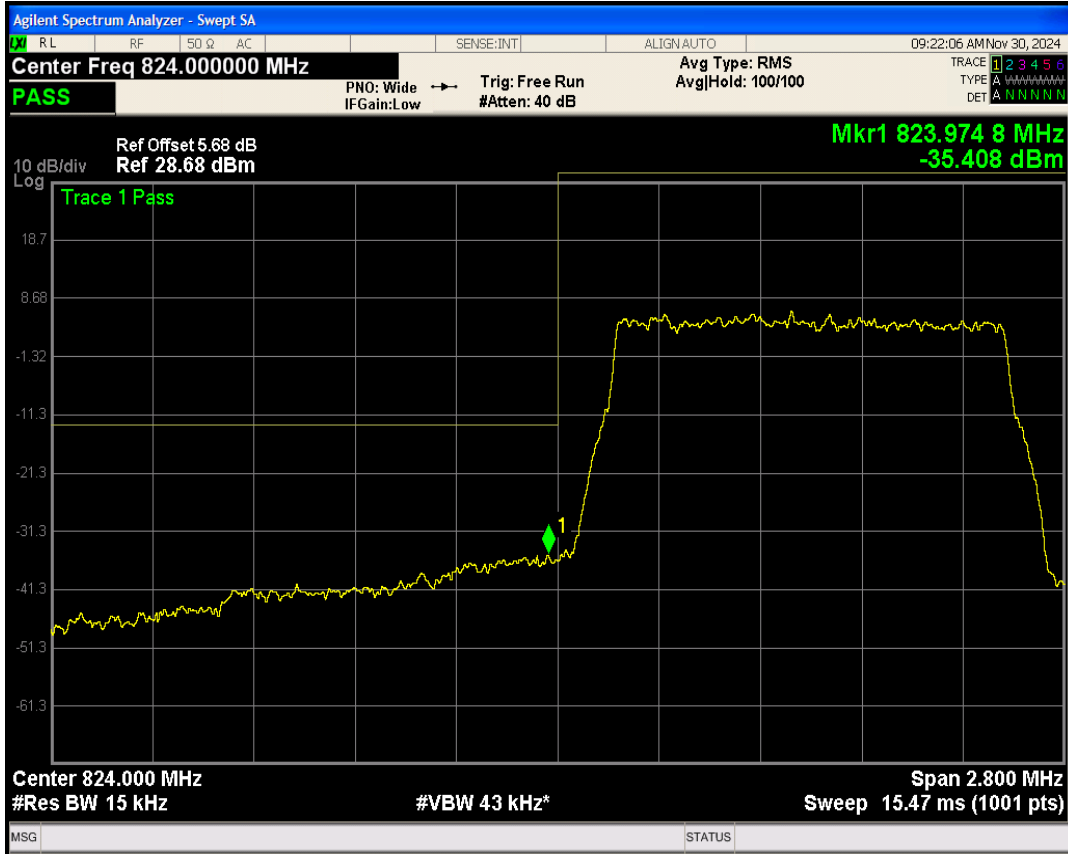


Appendix 5. Band edge

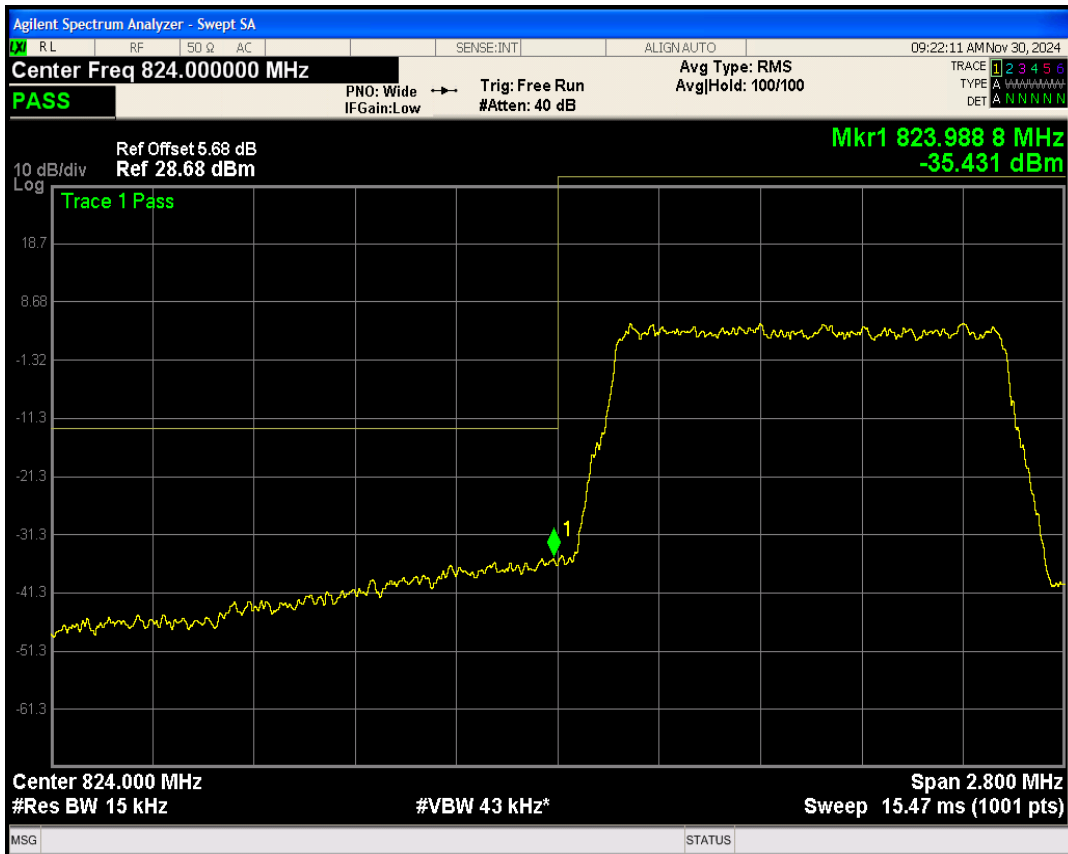
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	823.97	-35.40	-13	PASS
Band5	1.4	20407	6	#0	16QAM	823.99	-35.43	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.04	-34.22	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.06	-34.96	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-23.86	-13	PASS
Band5	3	20415	15	#0	16QAM	823.99	-25.01	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-26.60	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-25.60	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-28.97	-13	PASS
Band5	5	20425	25	#0	16QAM	824.00	-31.24	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-29.22	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-32.12	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-29.40	-13	PASS
Band5	10	20450	50	#0	16QAM	823.86	-32.72	-13	PASS
Band5	10	20600	50	#0	QPSK	849.04	-33.14	-13	PASS
Band5	10	20600	50	#0	16QAM	849.00	-32.17	-13	PASS

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





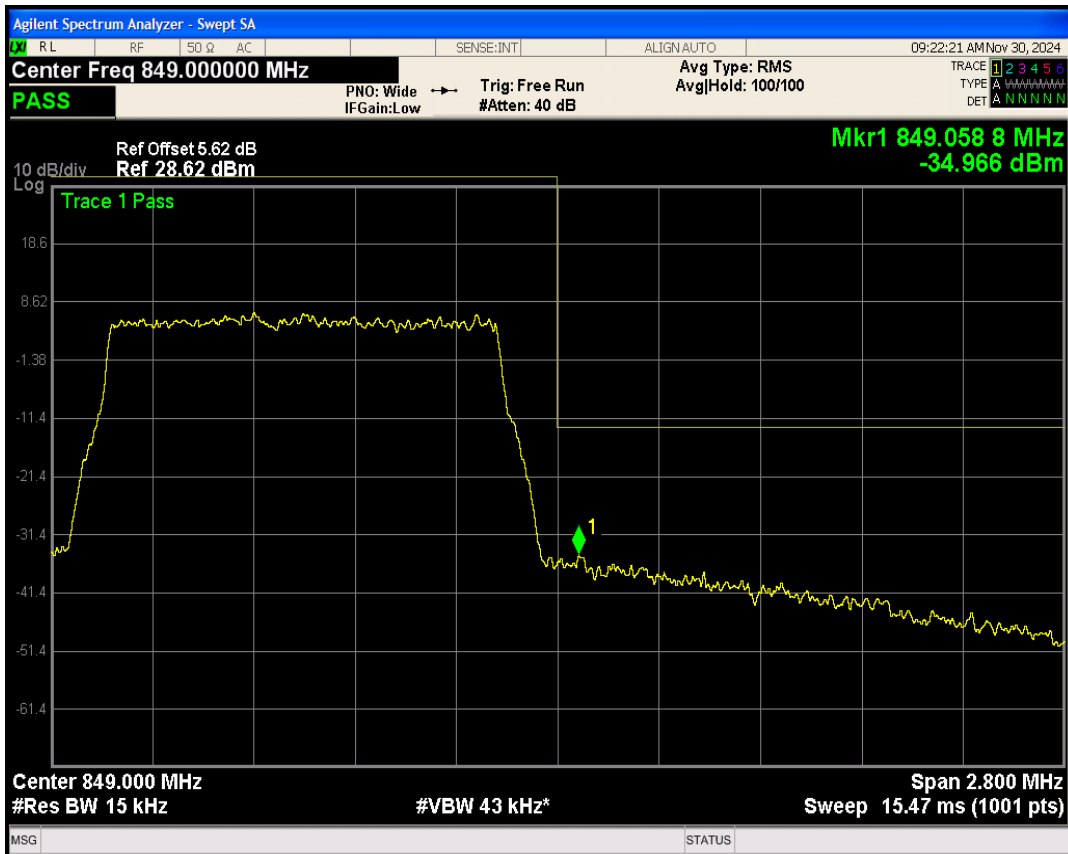
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



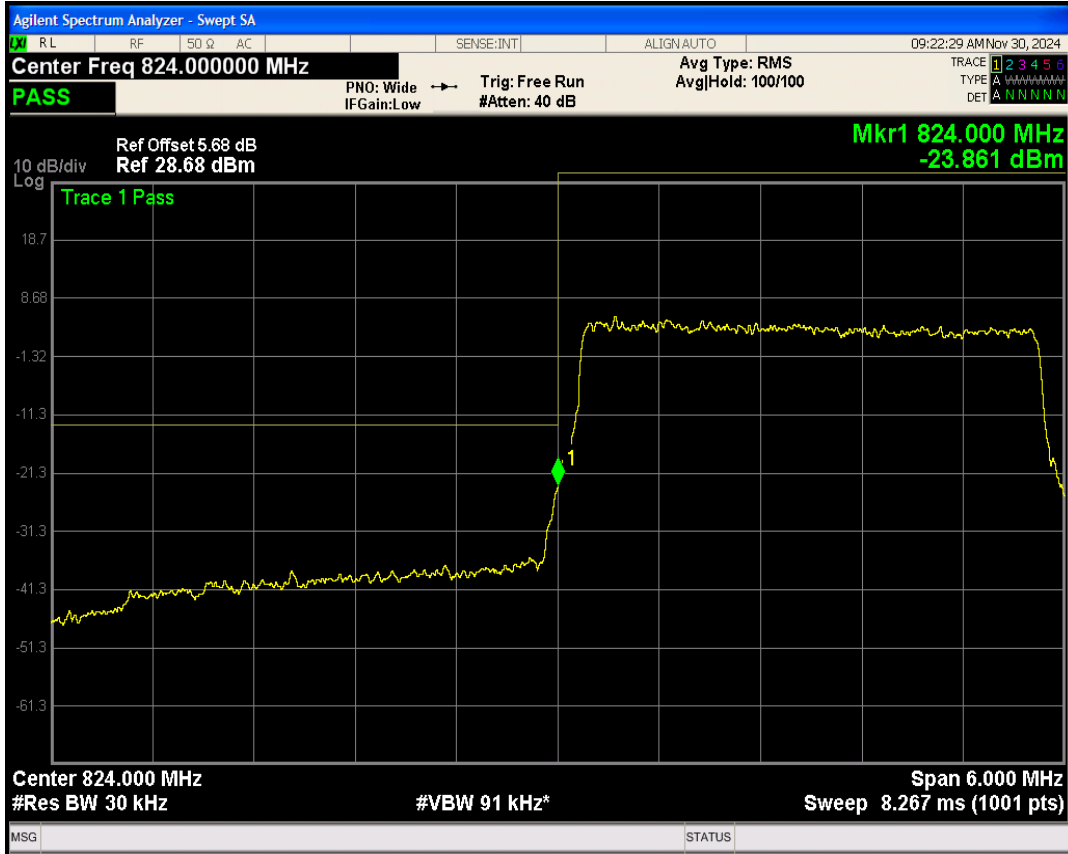
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



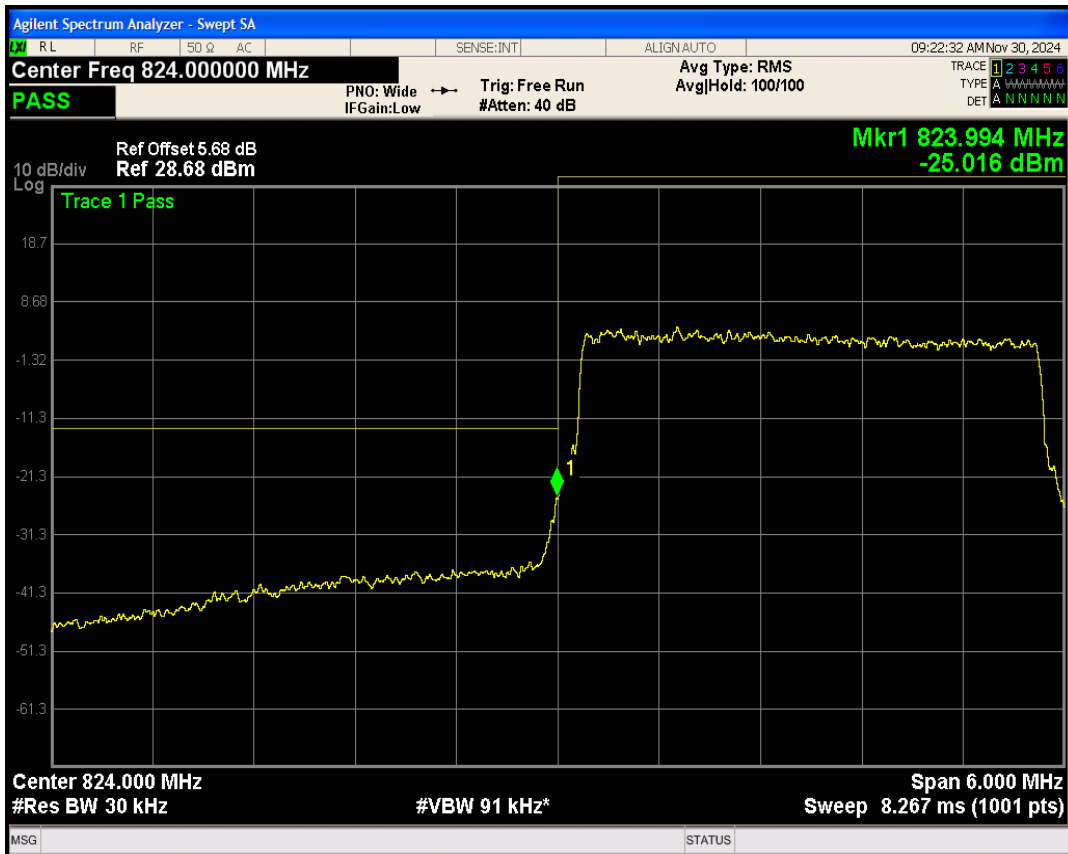
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



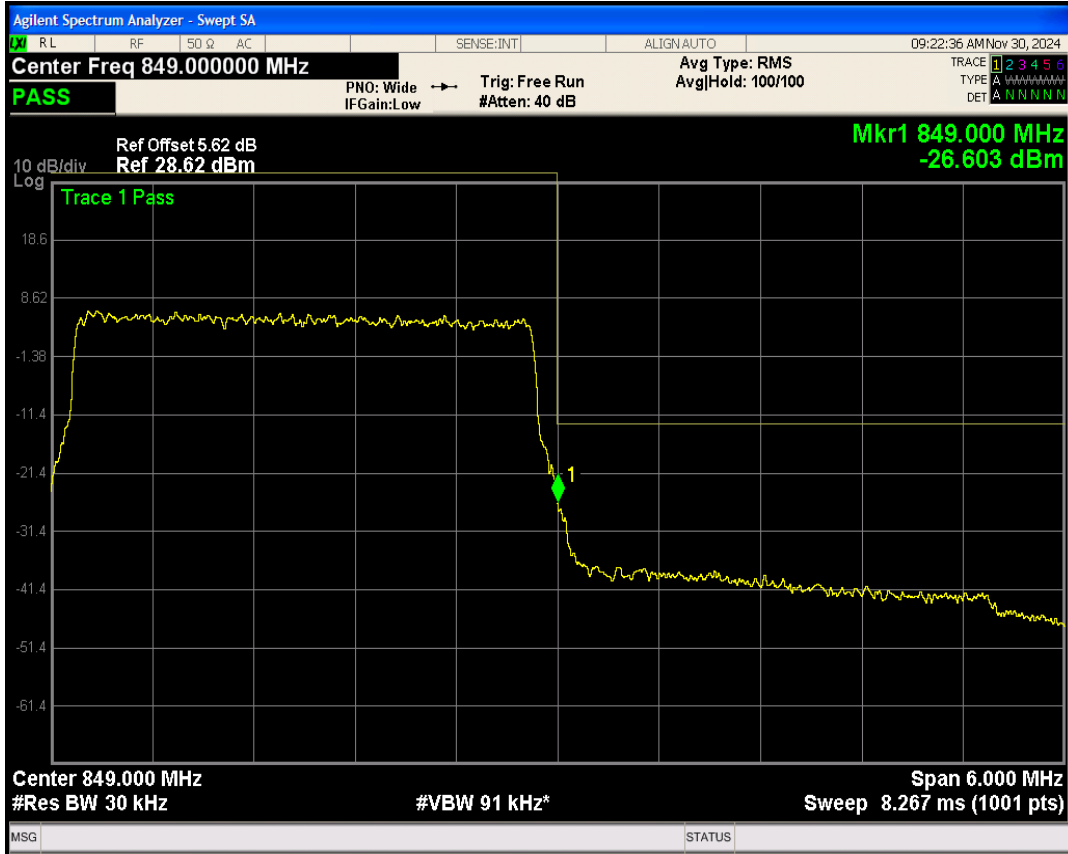
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



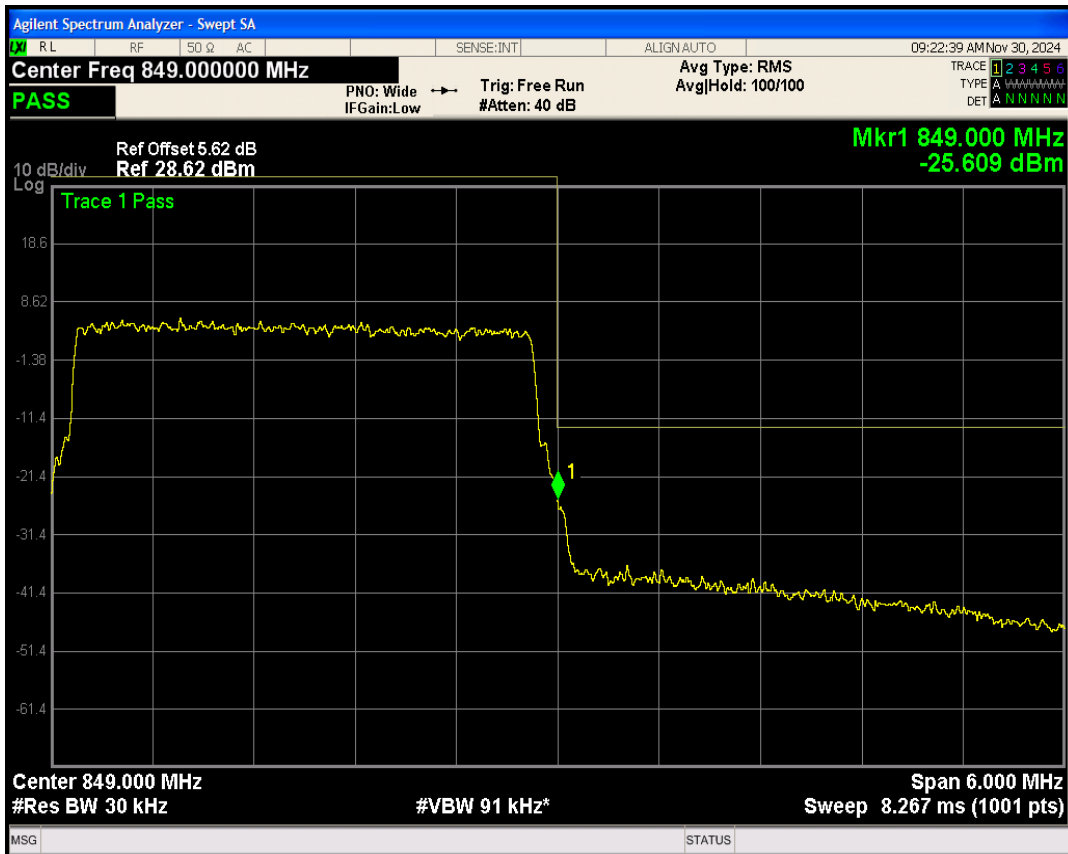
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



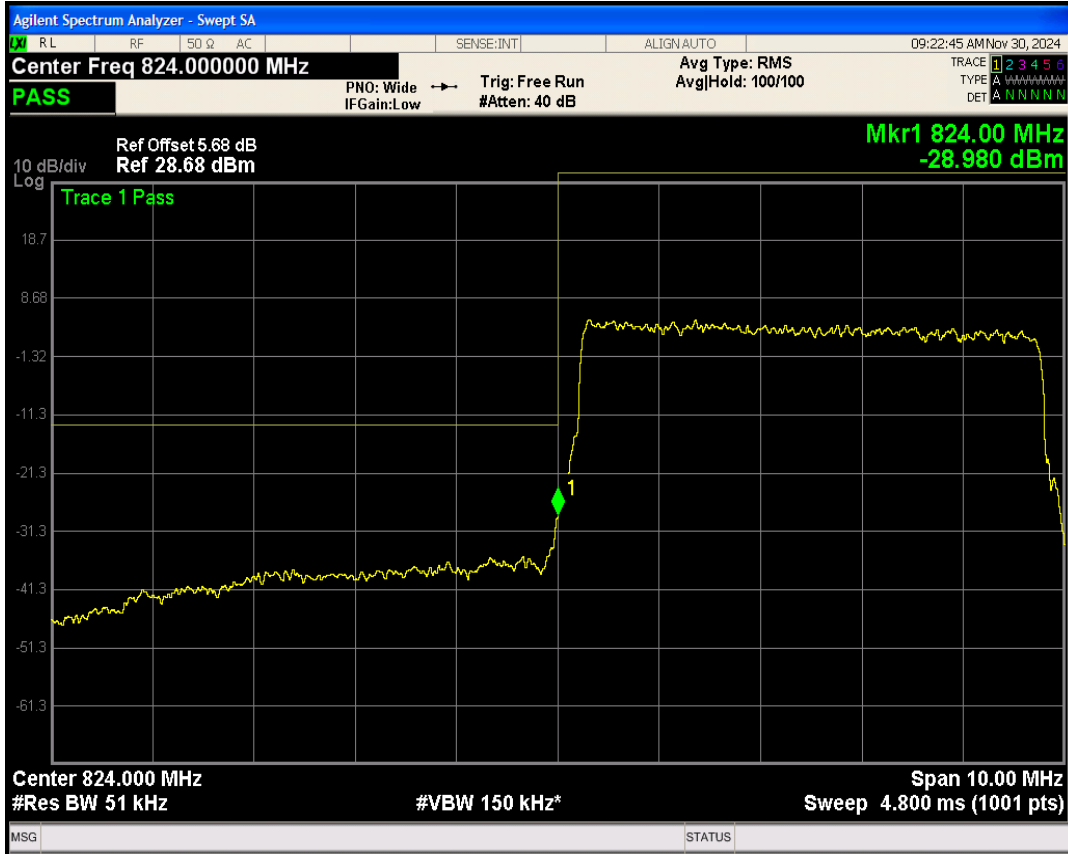
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



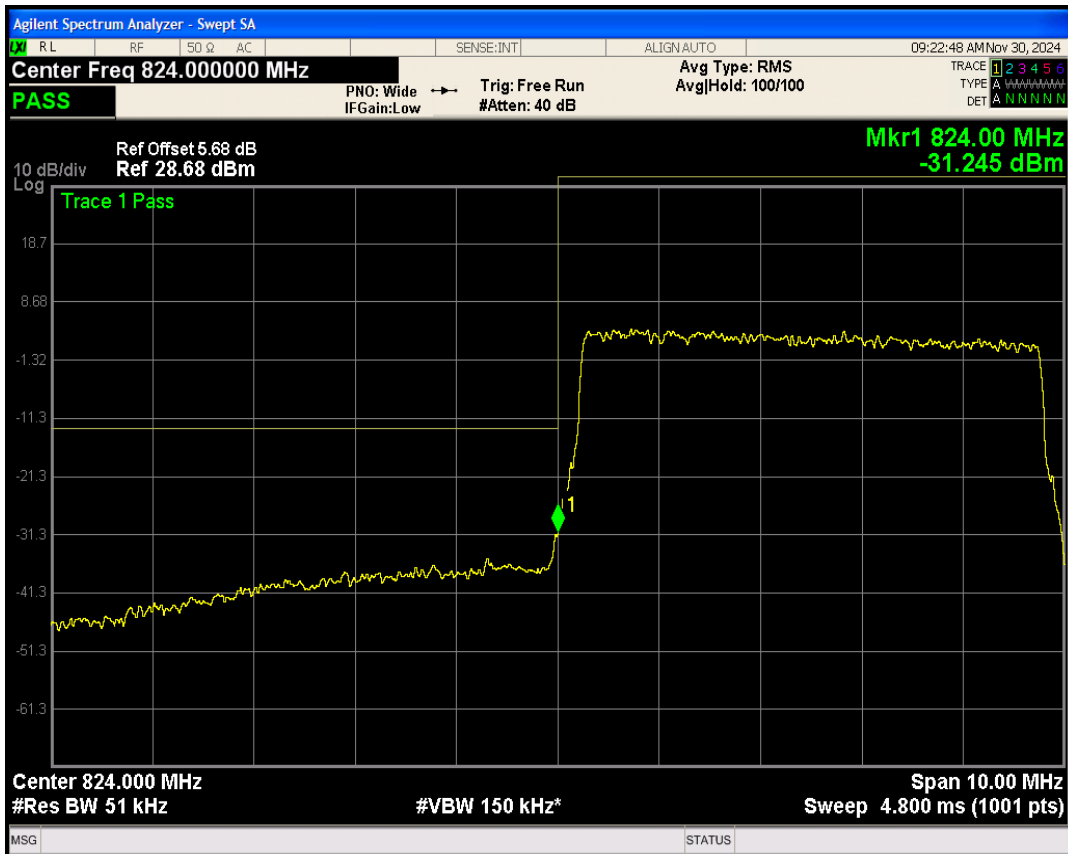
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



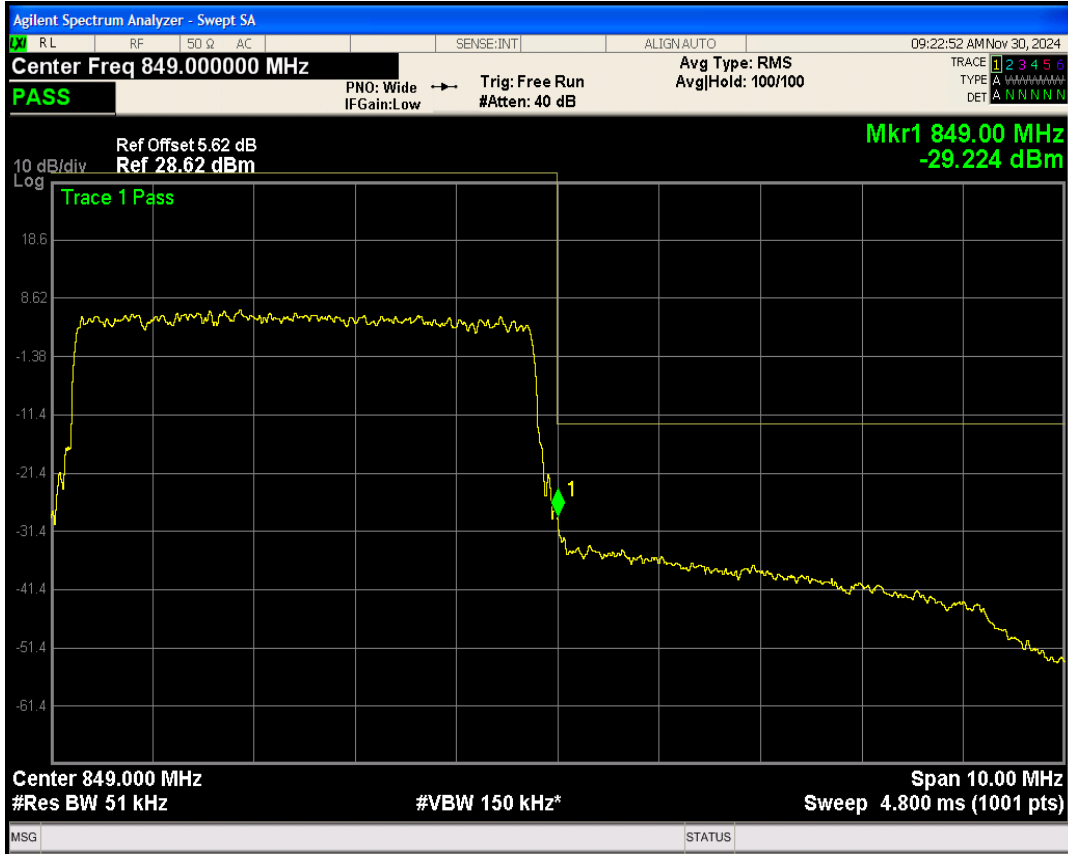
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



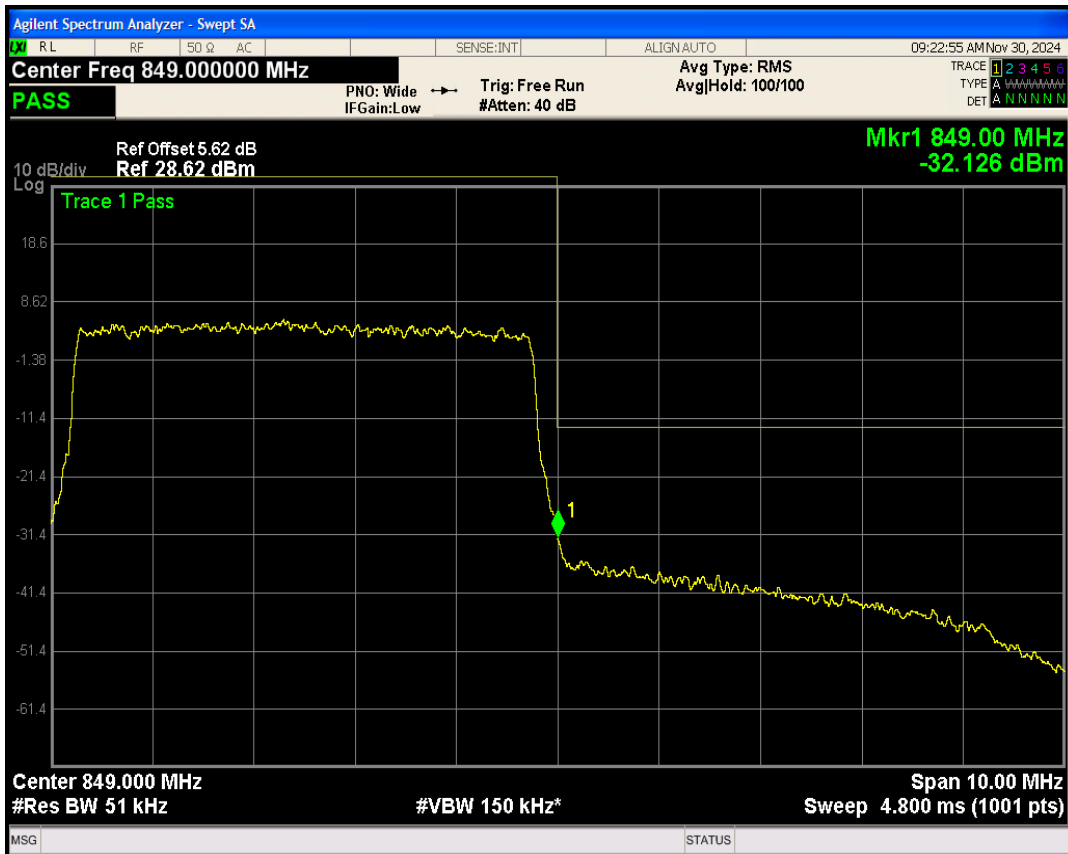
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



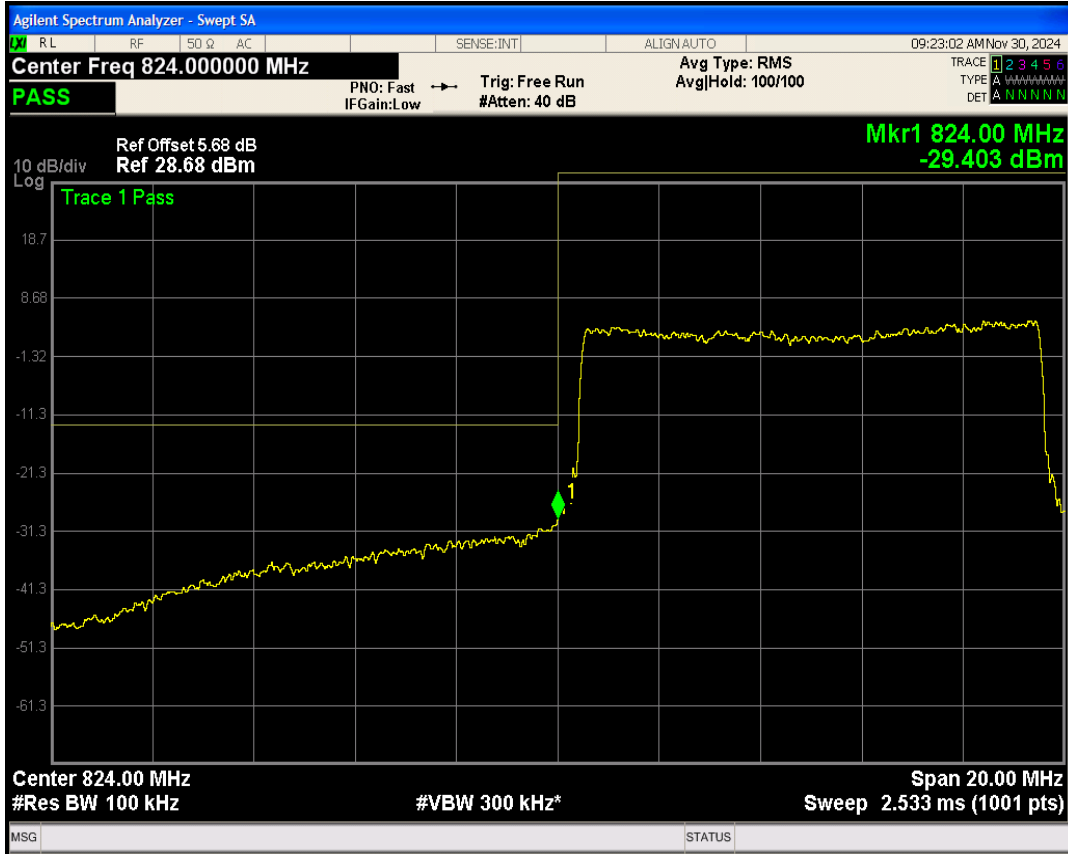
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



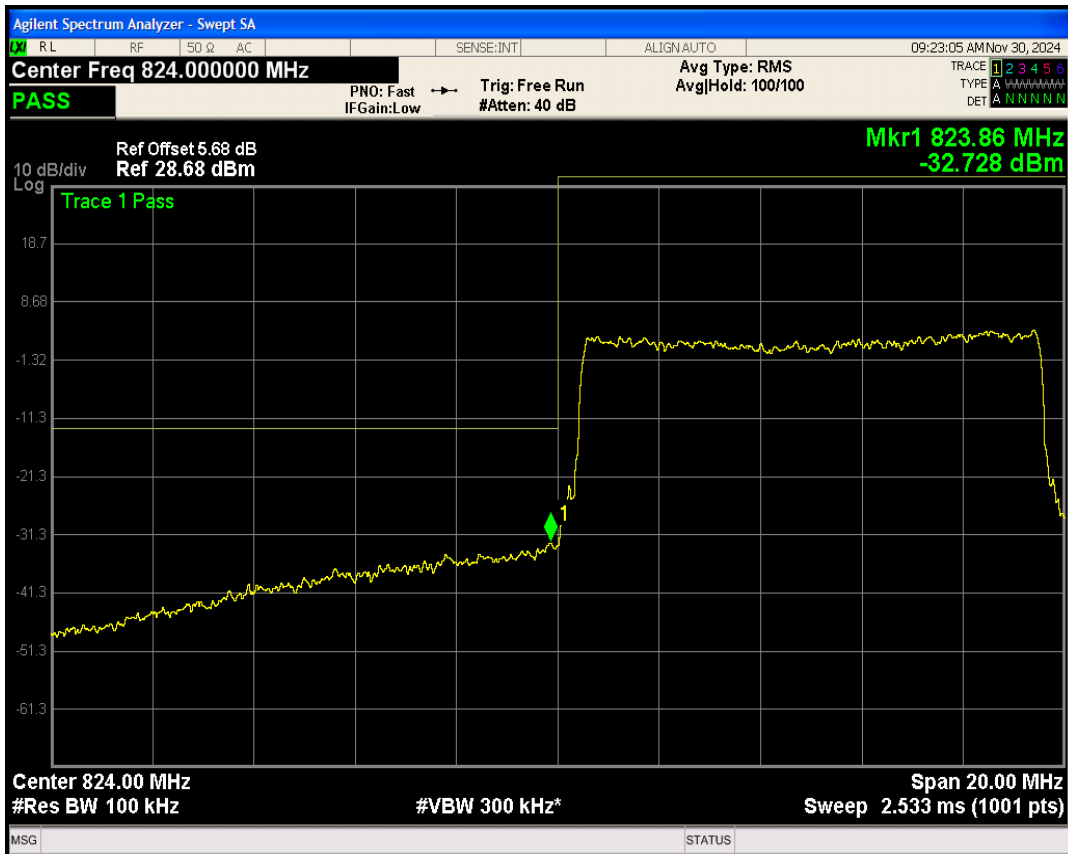
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



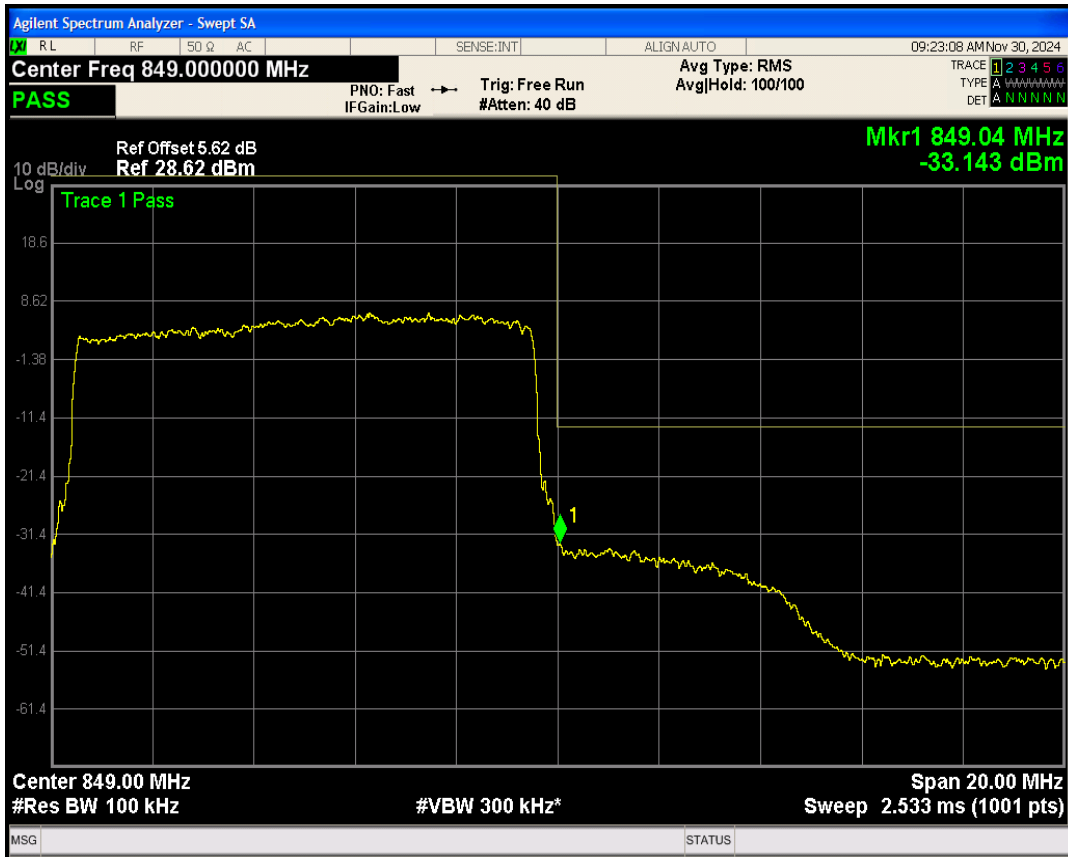
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



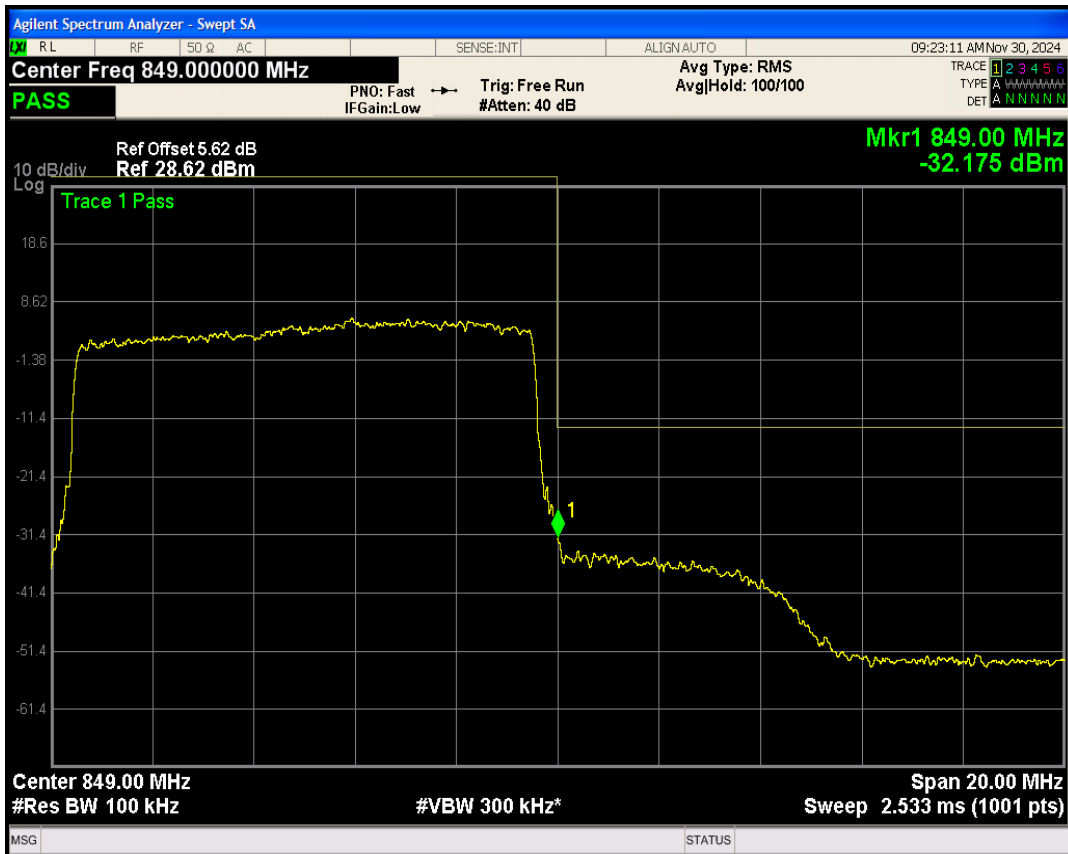
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



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



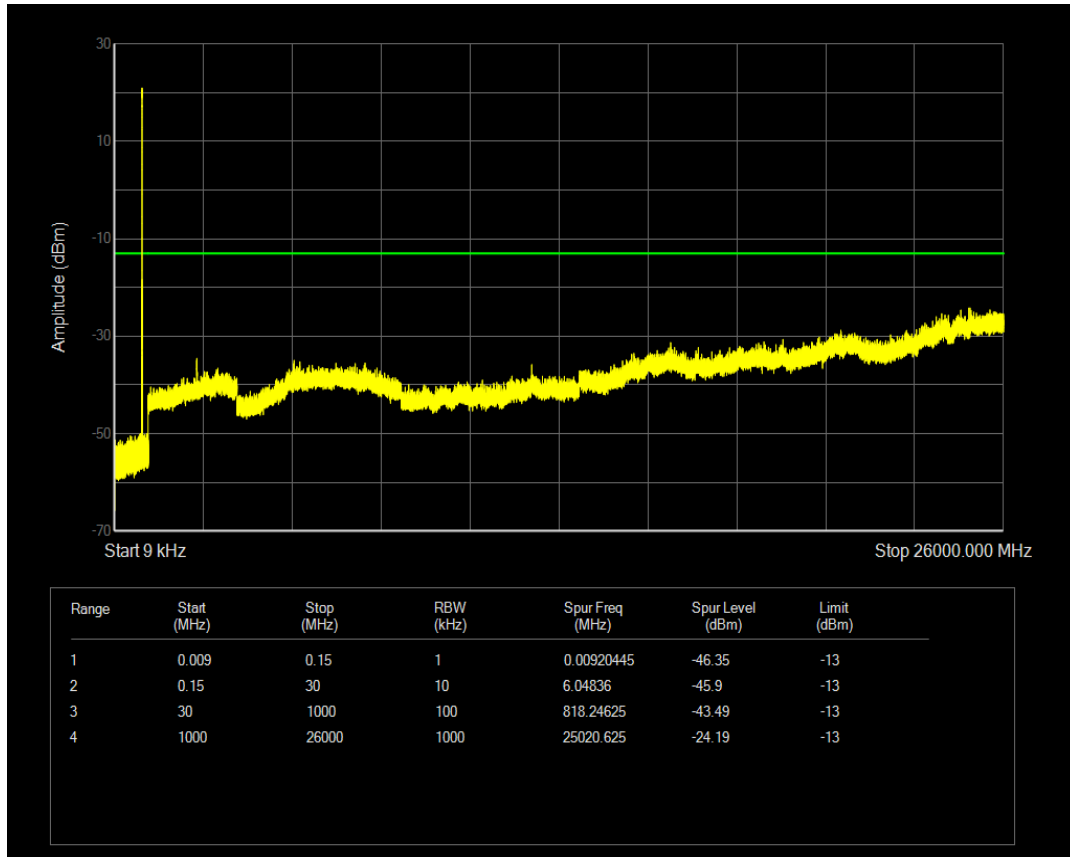
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



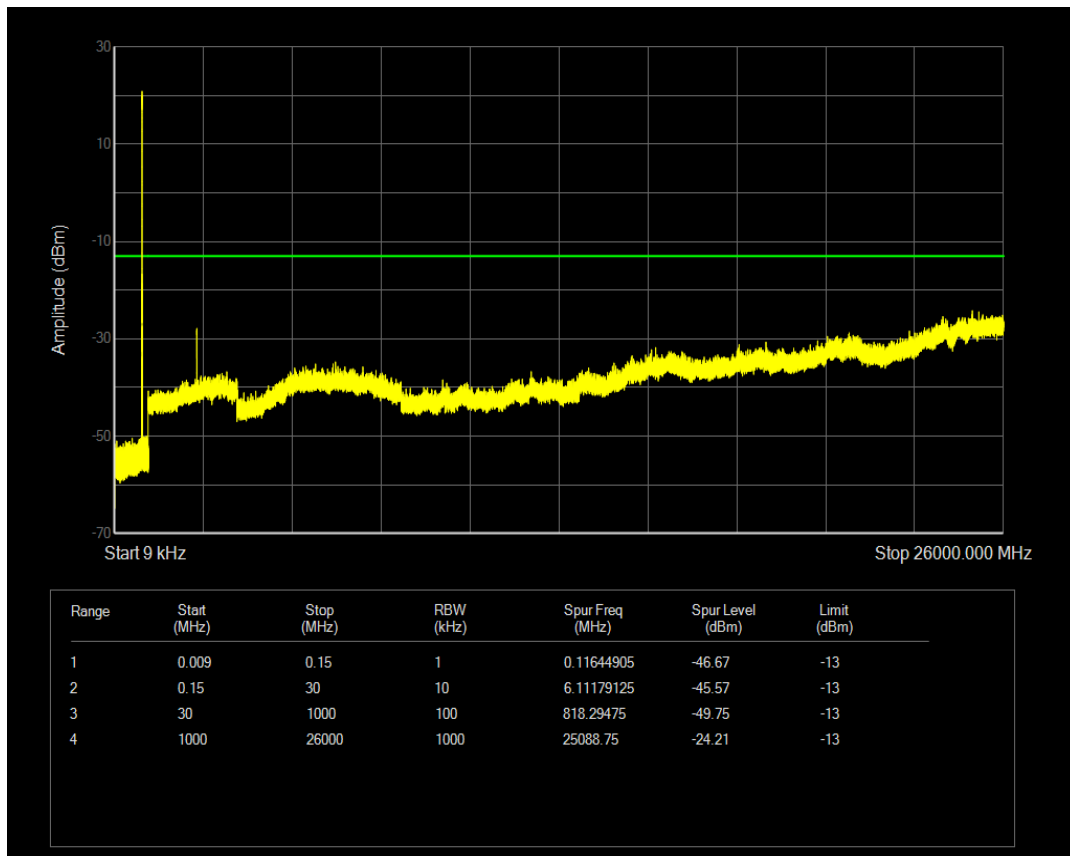
Appendix 6. Out-of-band emissions

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	25020.63	-24.19	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25088.75	-24.21	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25459.38	-24.09	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25815.63	-25.07	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25961.25	-24.23	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25911.25	-24.13	-13	PASS
Band5	3	20415	15	#0	QPSK	25827.50	-22.52	-13	PASS
Band5	3	20415	15	#0	16QAM	25847.50	-23.94	-13	PASS
Band5	3	20525	15	#0	QPSK	25805.63	-24.50	-13	PASS
Band5	3	20525	15	#0	16QAM	25061.25	-23.71	-13	PASS
Band5	3	20635	15	#0	QPSK	25814.38	-24.17	-13	PASS
Band5	3	20635	15	#0	16QAM	25998.13	-23.58	-13	PASS
Band5	5	20425	25	#0	QPSK	25769.38	-24.06	-13	PASS
Band5	5	20425	25	#0	16QAM	25905.63	-24.14	-13	PASS
Band5	5	20525	25	#0	QPSK	25835.00	-24.05	-13	PASS
Band5	5	20525	25	#0	16QAM	25191.88	-23.88	-13	PASS
Band5	5	20625	25	#0	QPSK	25061.25	-23.92	-13	PASS
Band5	5	20625	25	#0	16QAM	25578.13	-23.89	-13	PASS
Band5	10	20450	50	#0	QPSK	25573.13	-23.52	-13	PASS
Band5	10	20450	50	#0	16QAM	25057.50	-23.81	-13	PASS
Band5	10	20525	50	#0	QPSK	25379.38	-23.75	-13	PASS
Band5	10	20525	50	#0	16QAM	25143.13	-24.39	-13	PASS
Band5	10	20600	50	#0	QPSK	25446.88	-23.89	-13	PASS
Band5	10	20600	50	#0	16QAM	25298.75	-23.97	-13	PASS

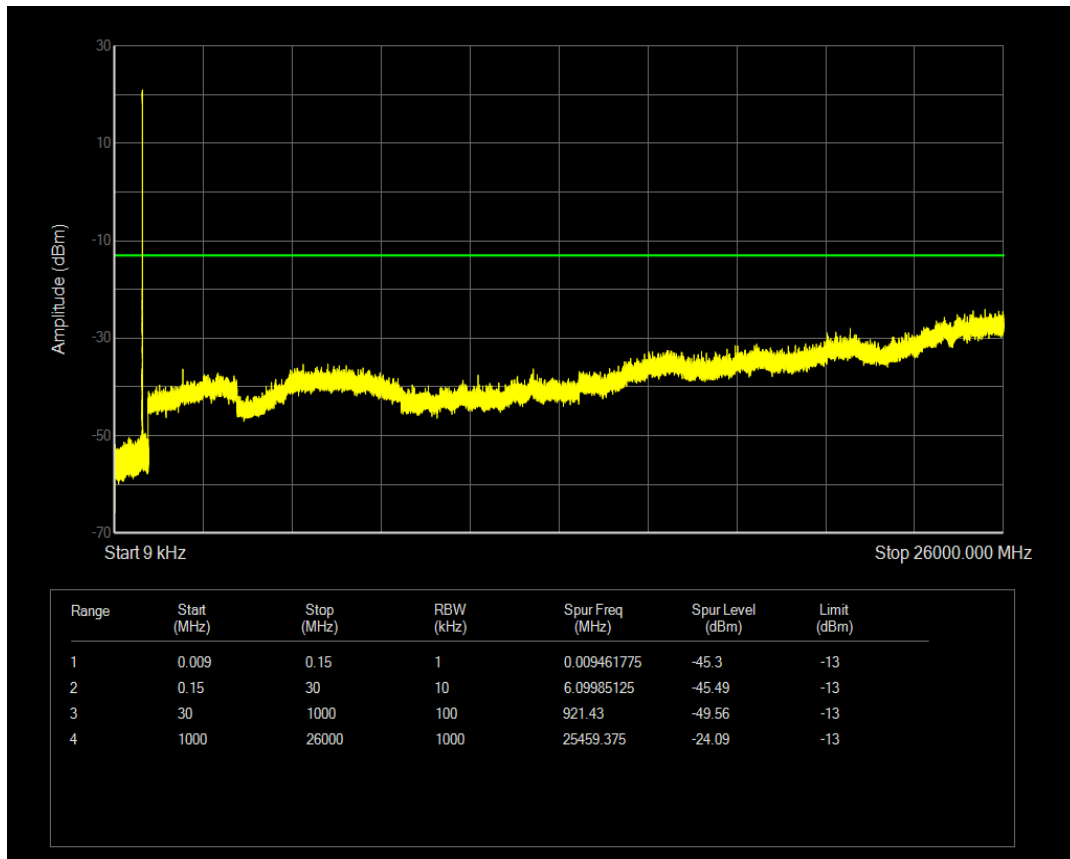
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



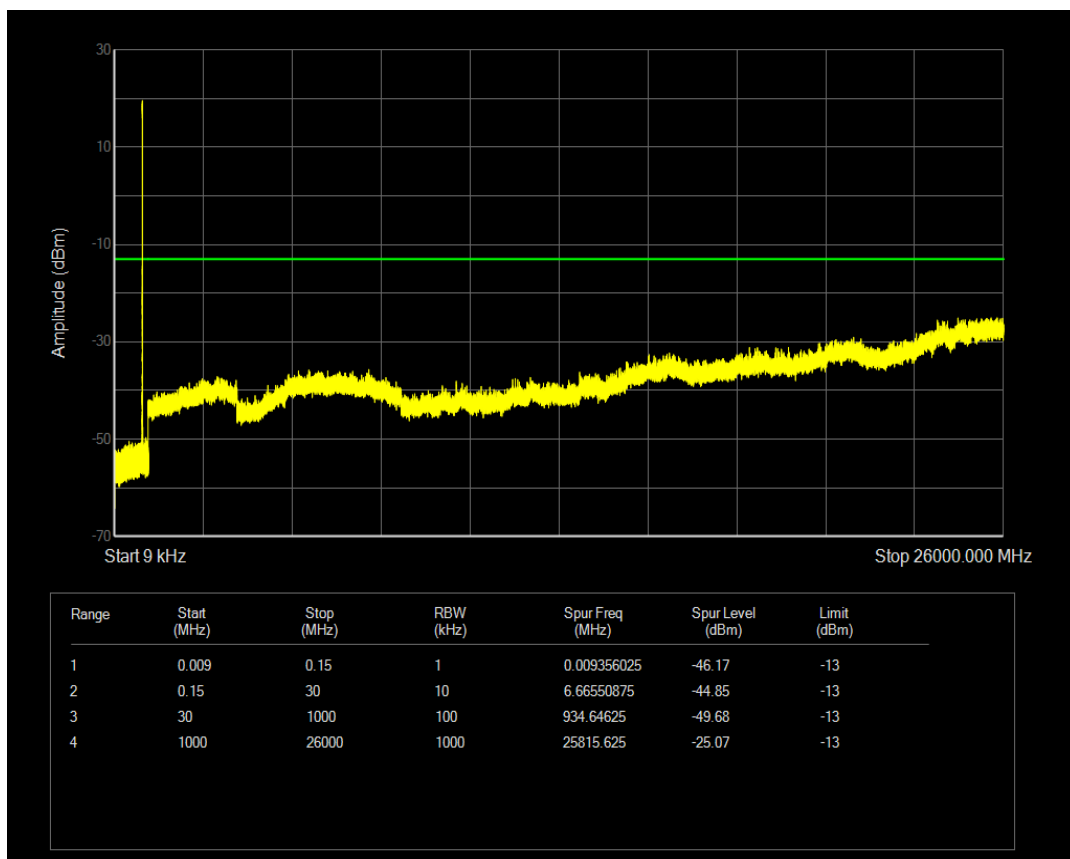
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



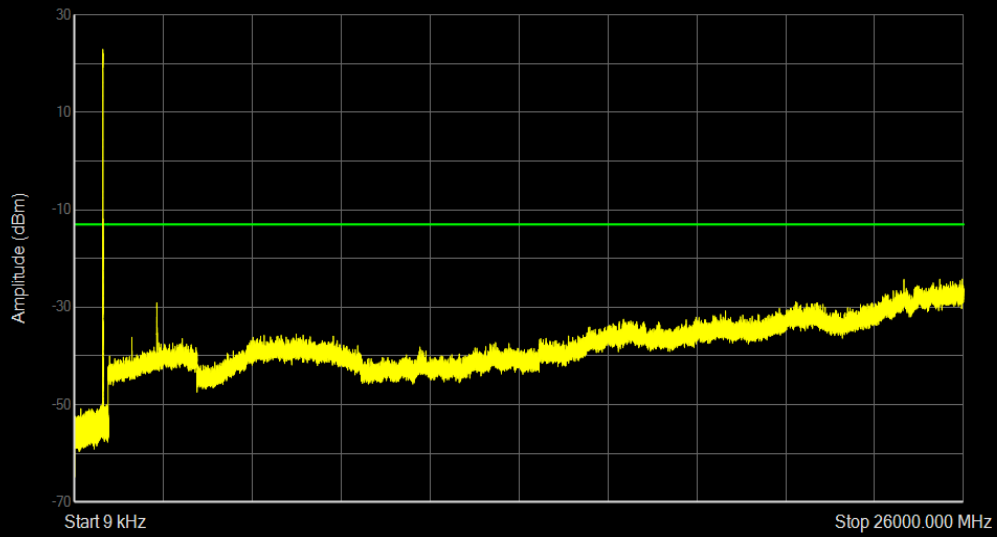
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



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

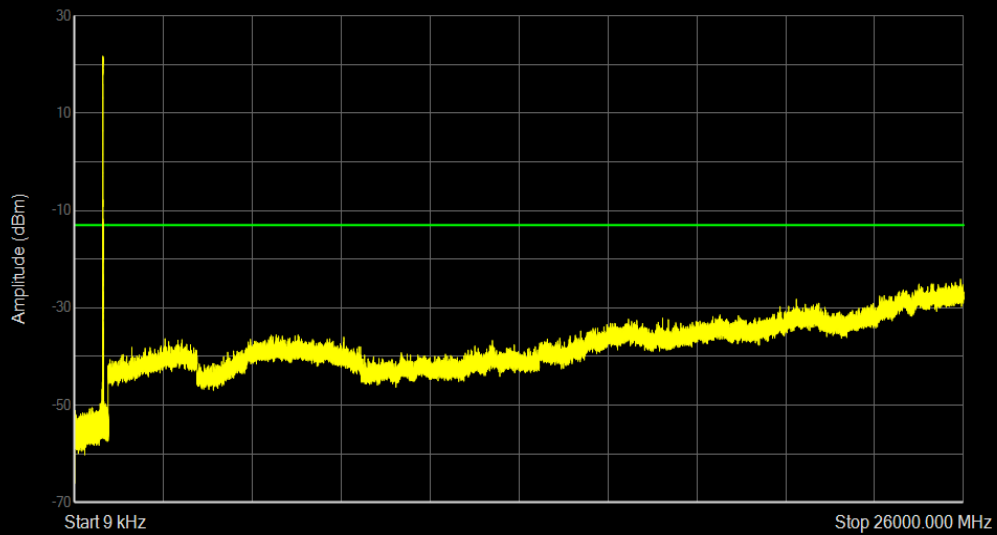


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



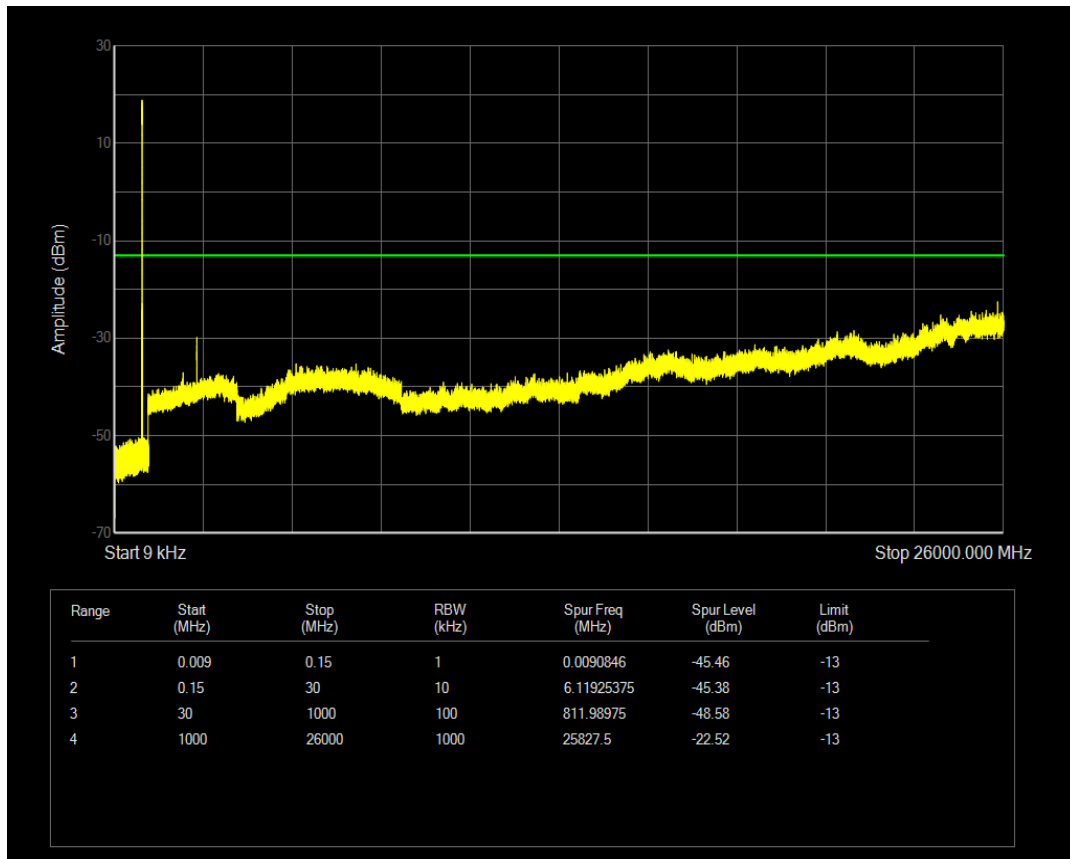
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095358	-46.66	-13
2	0.15	30	10	6.057315	-44.92	-13
3	30	1000	100	952.1305	-50.05	-13
4	1000	26000	1000	25961.25	-24.23	-13

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

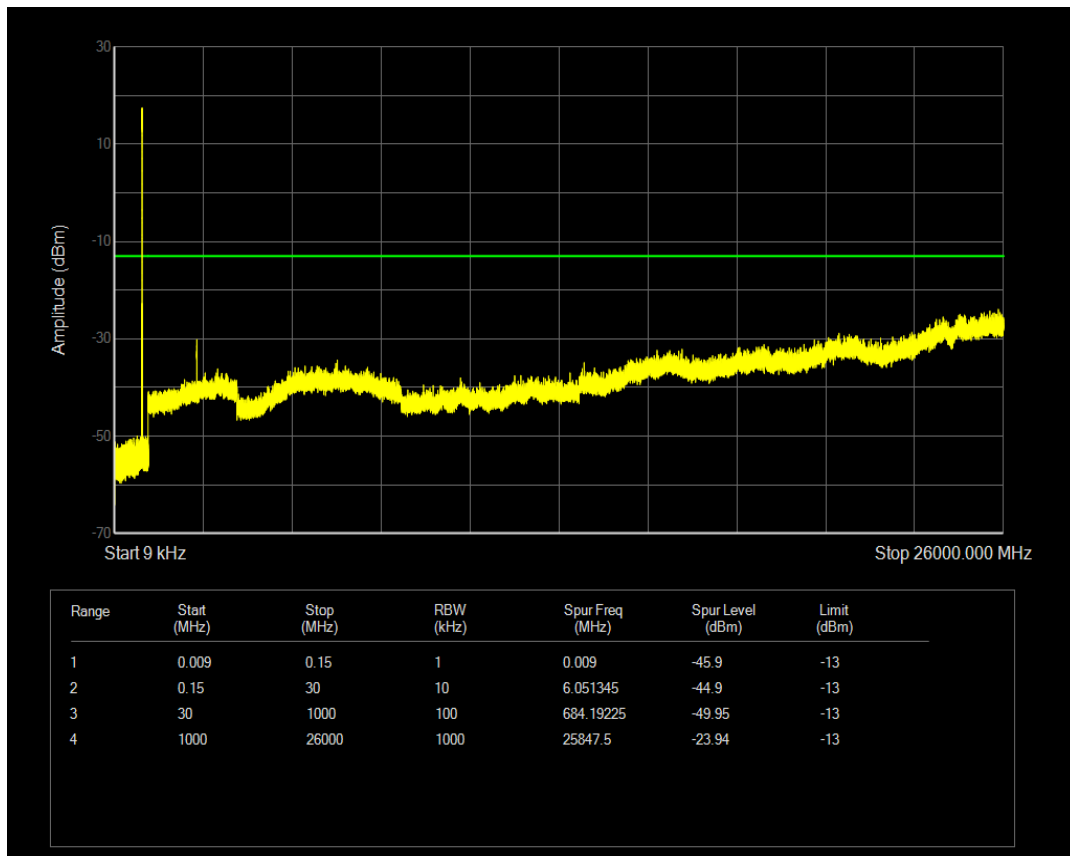


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090141	-46.88	-13
2	0.15	30	10	6.40282875	-45.56	-13
3	30	1000	100	877.6345	-49.33	-13
4	1000	26000	1000	25911.25	-24.13	-13

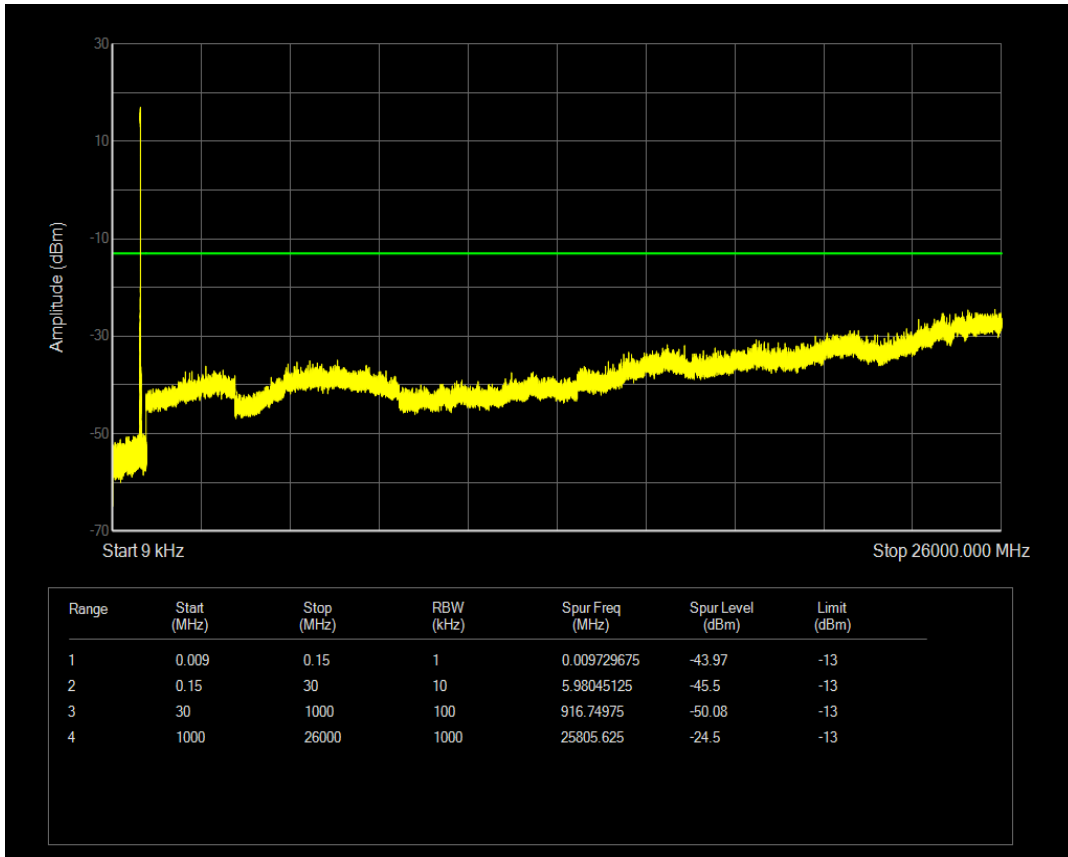
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



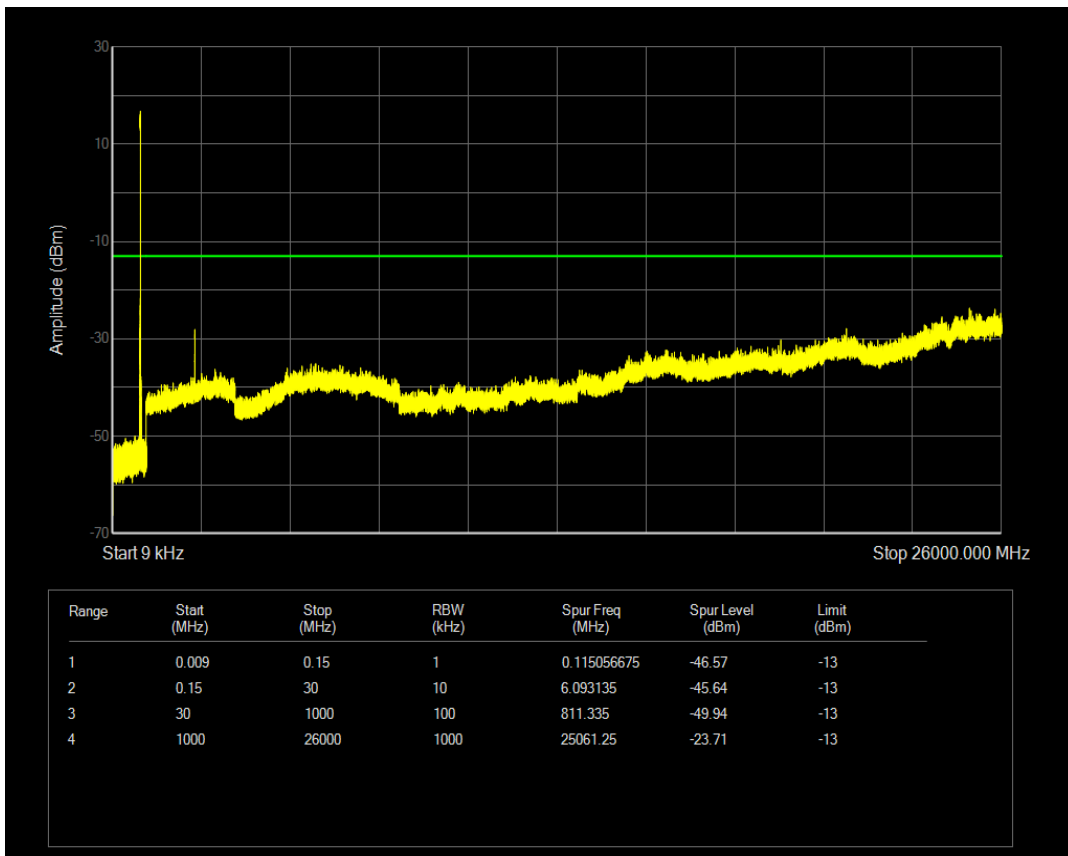
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



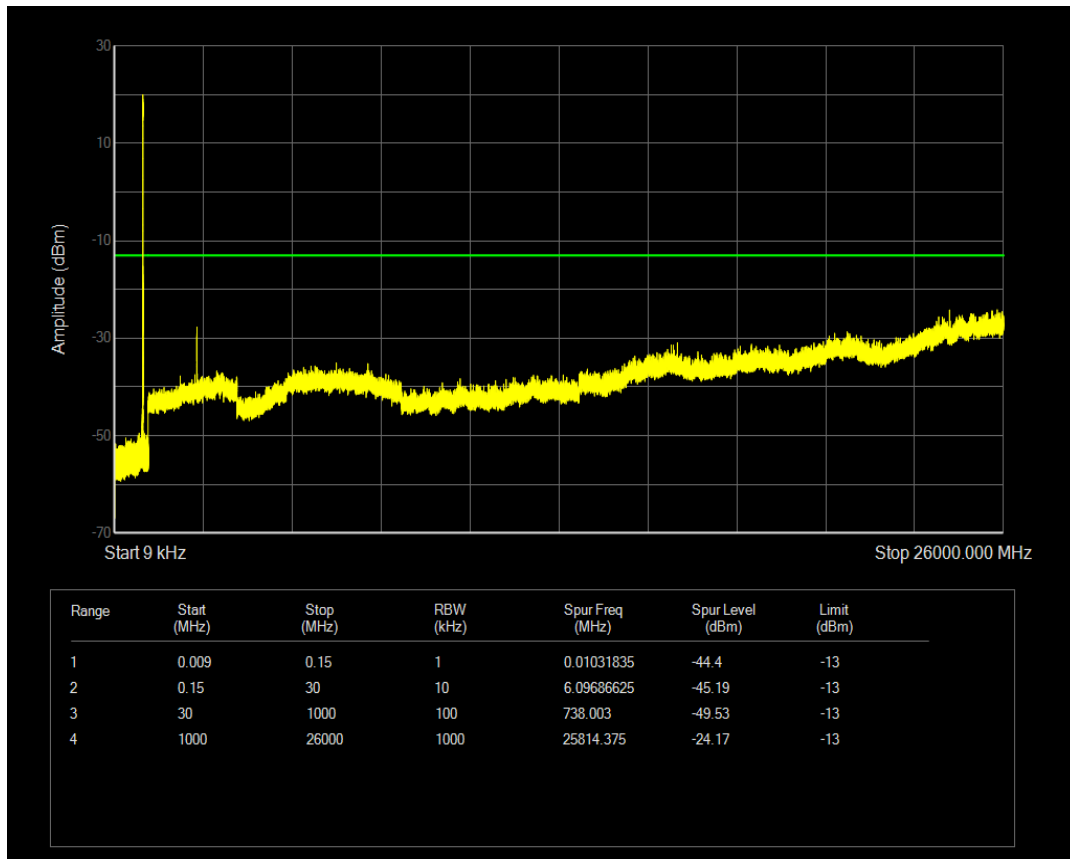
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



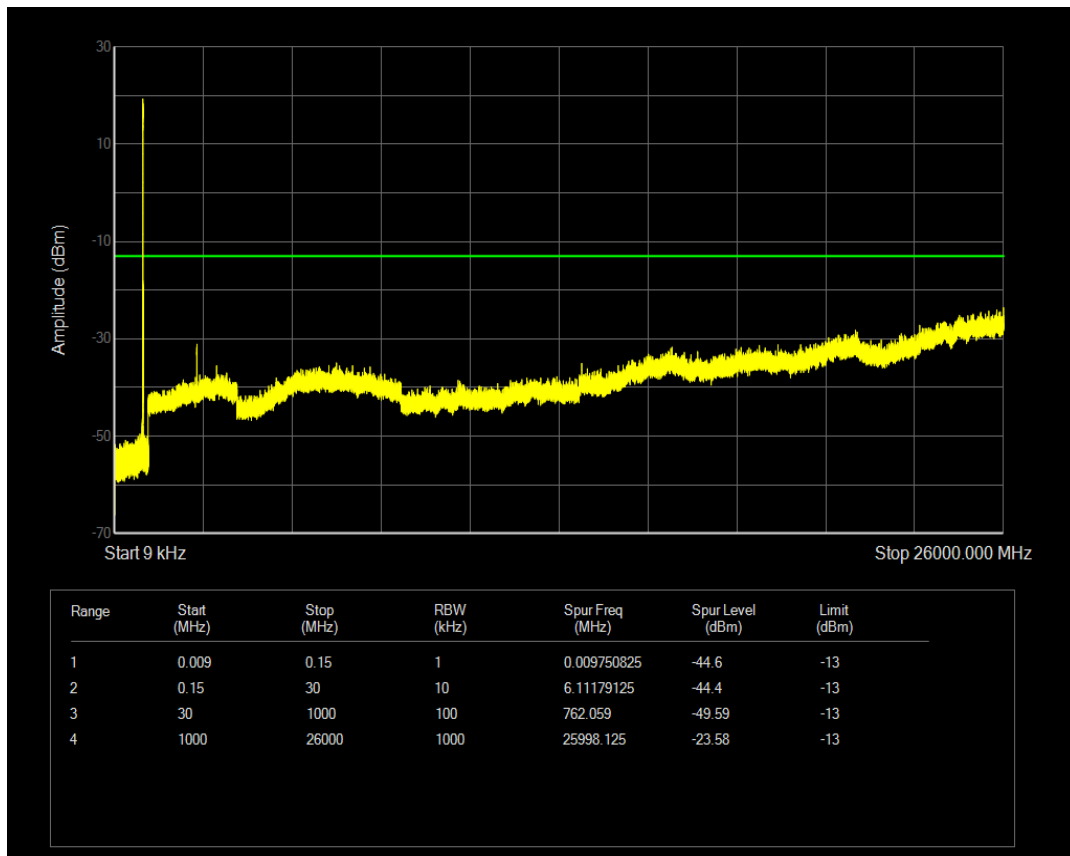
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



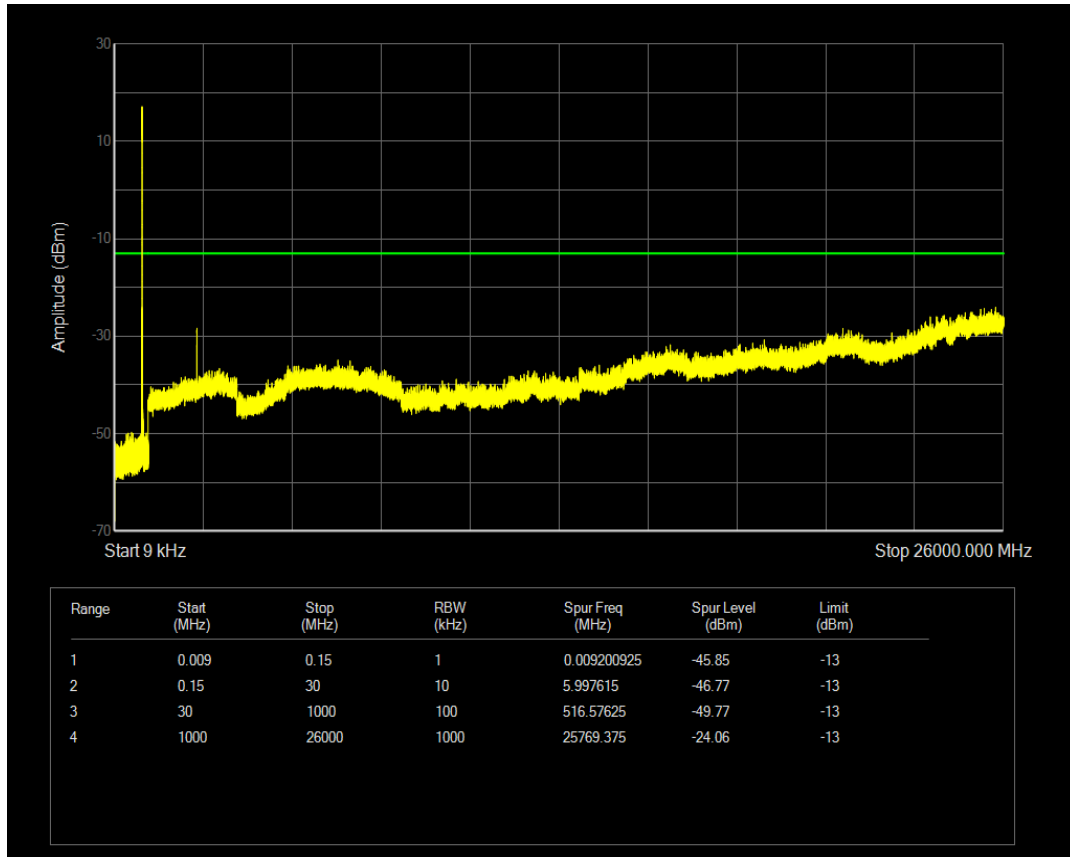
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



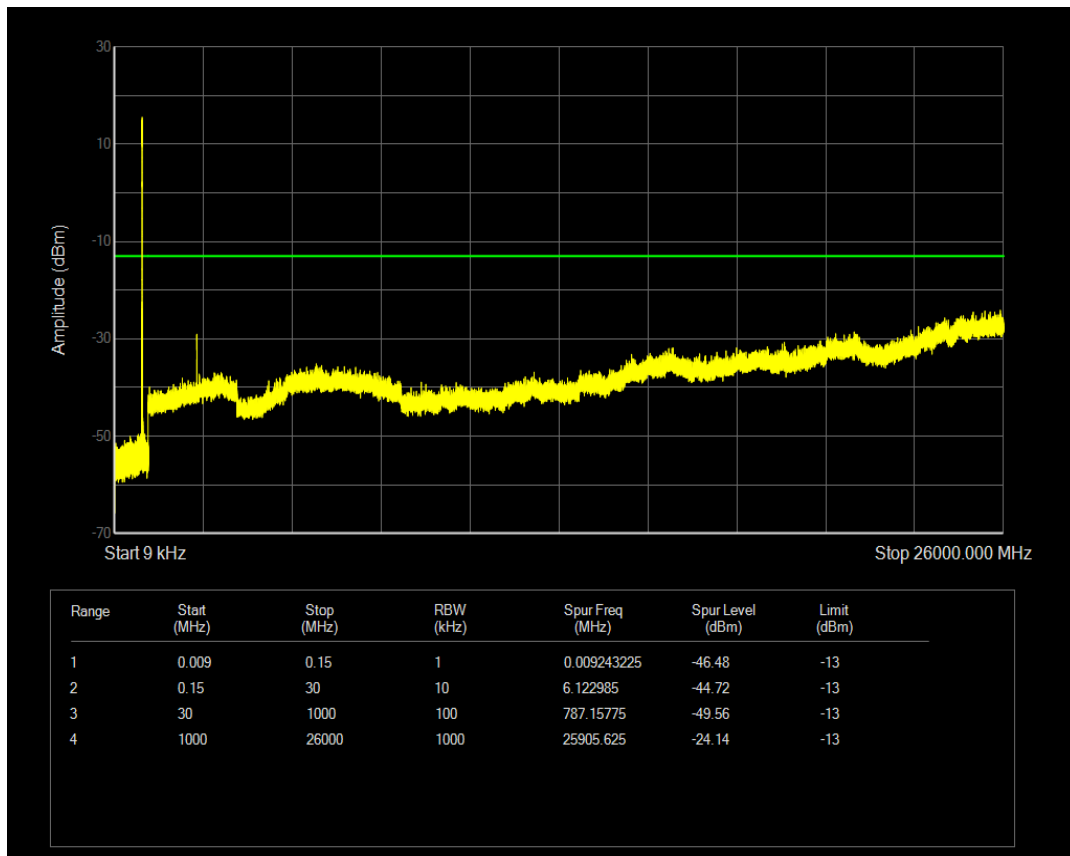
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



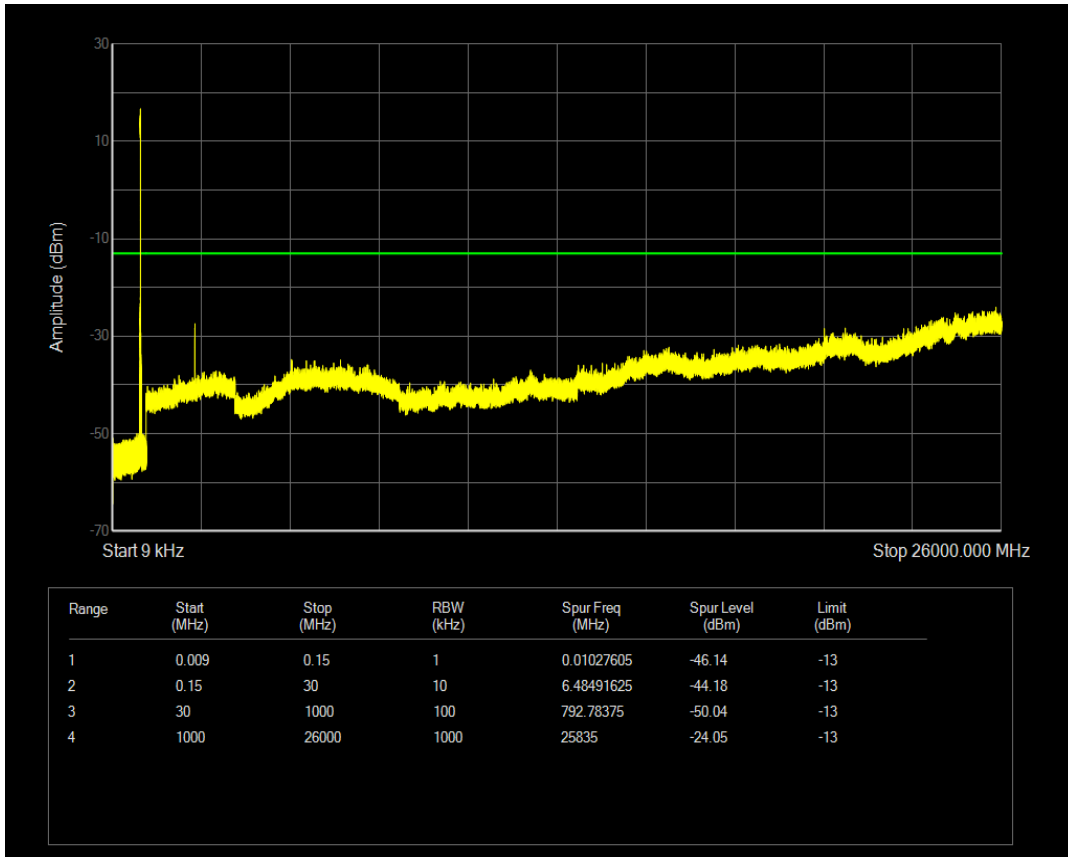
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



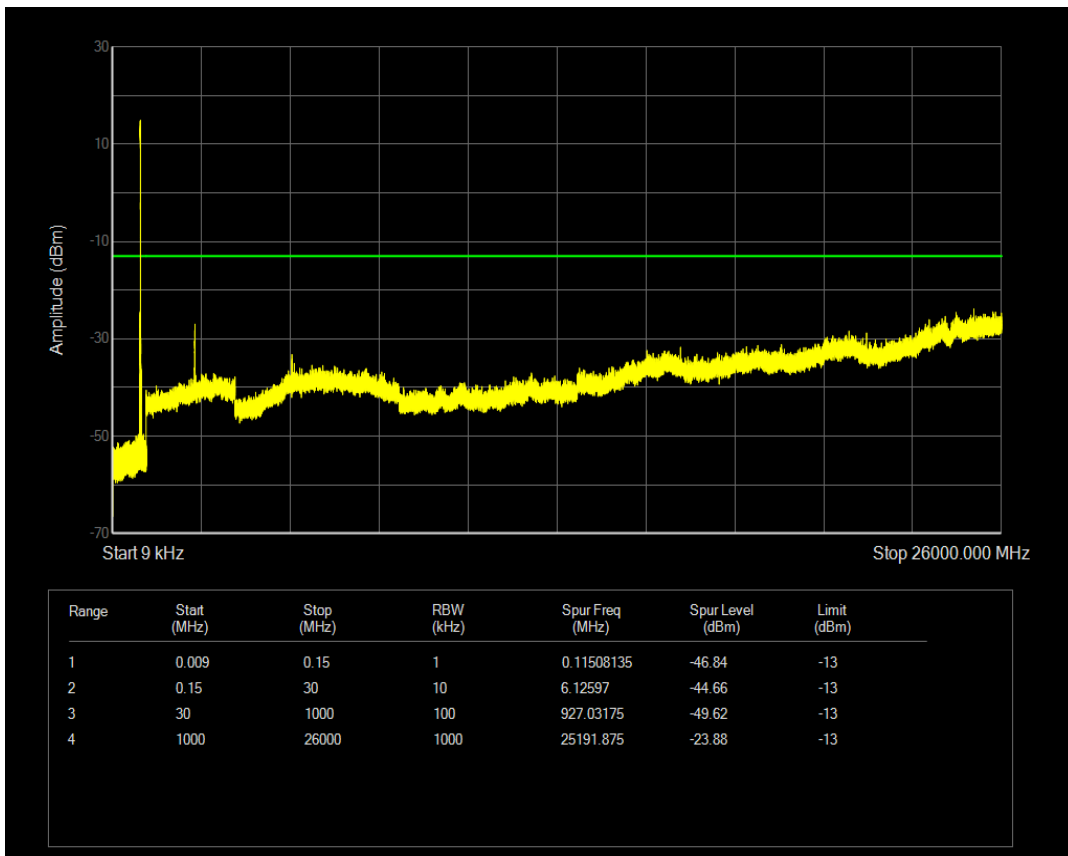
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



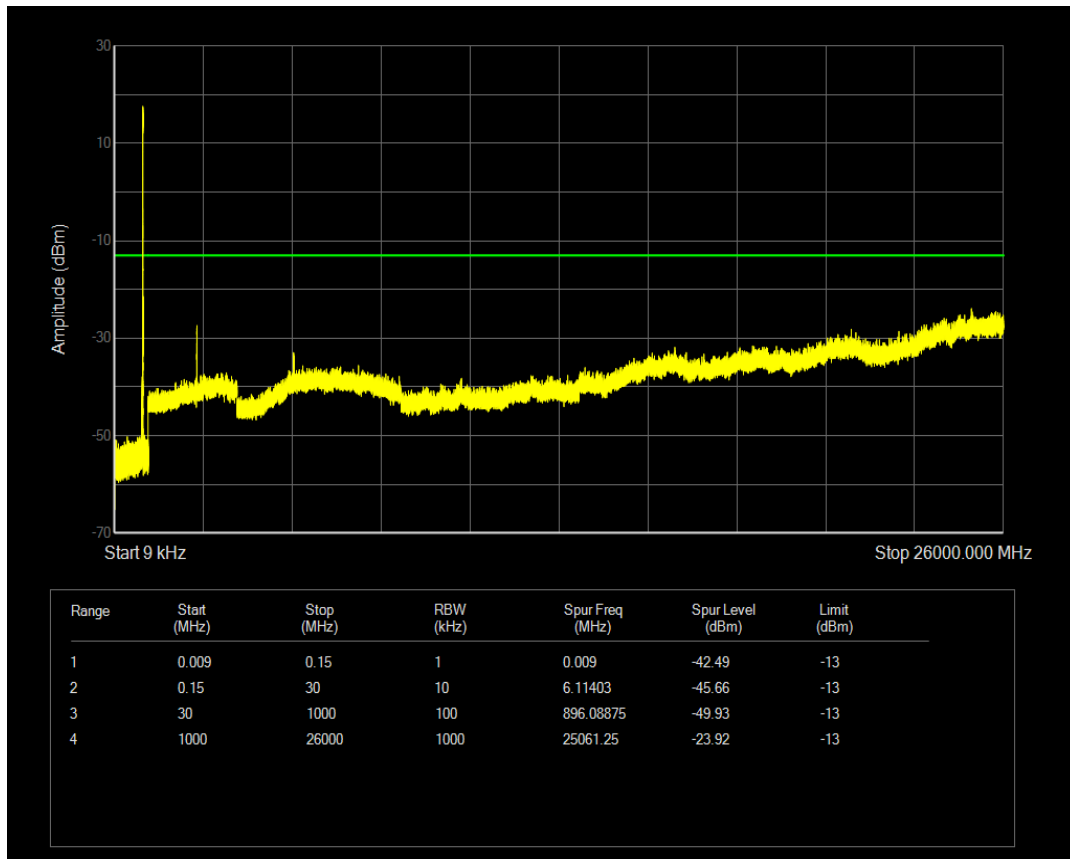
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



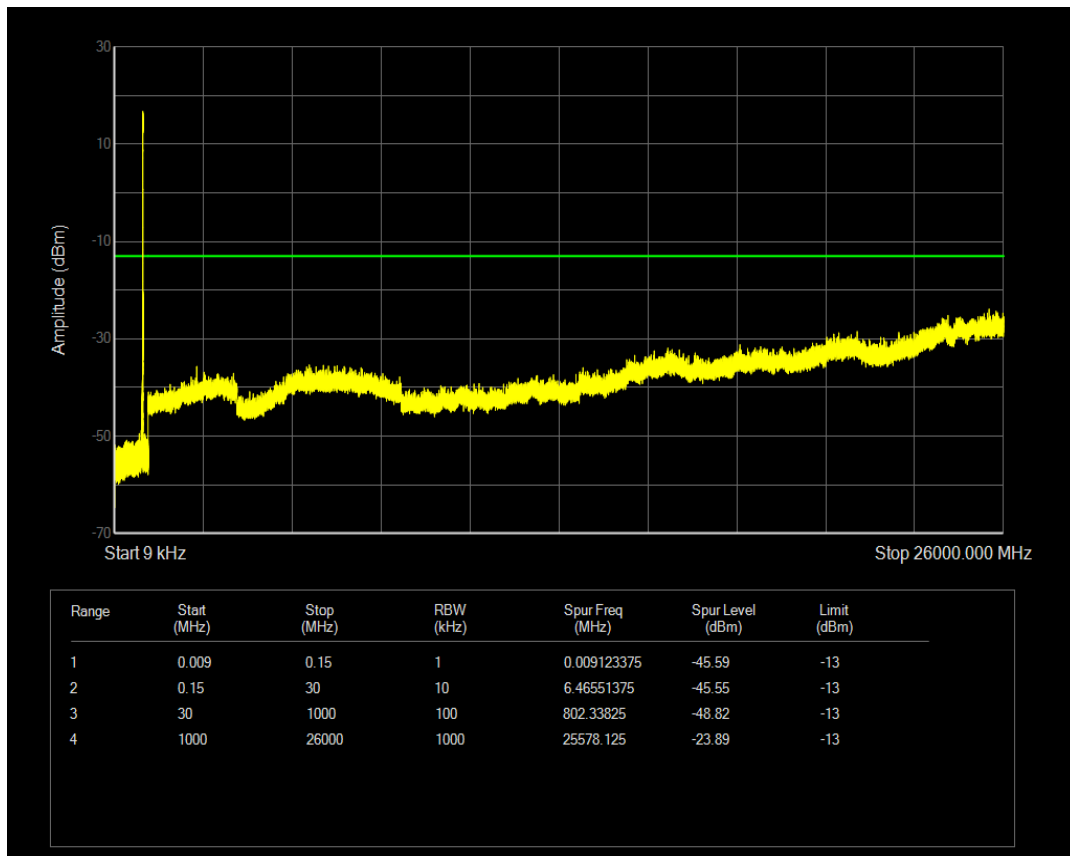
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



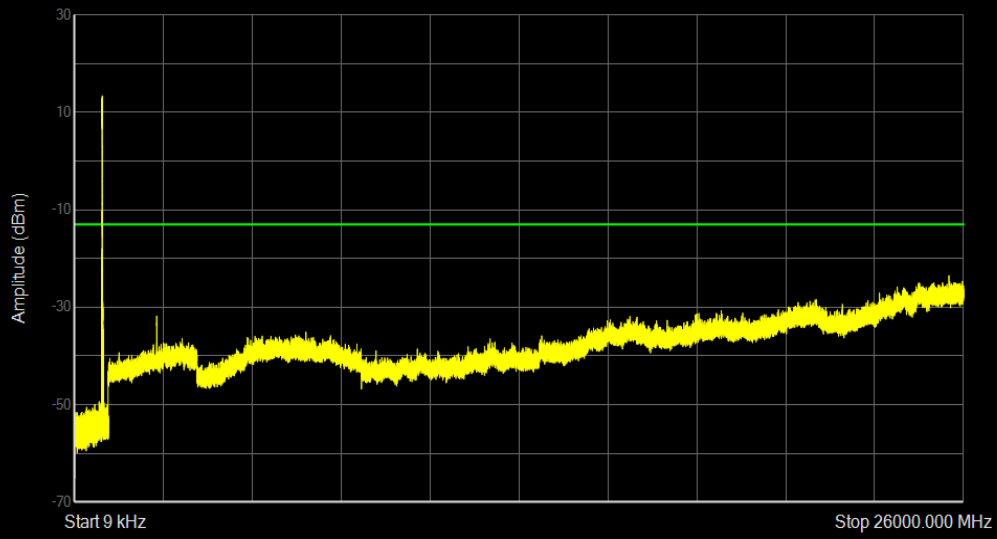
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



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

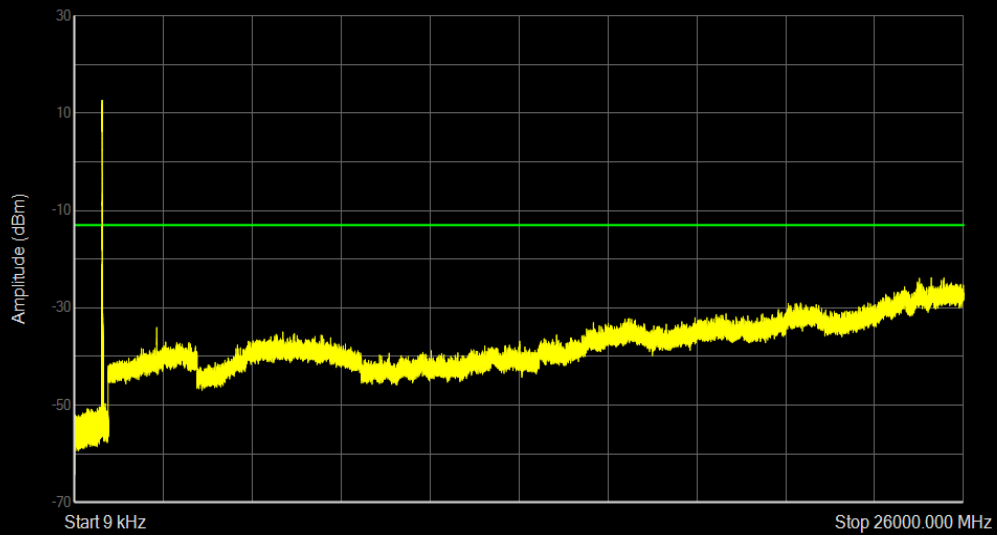


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



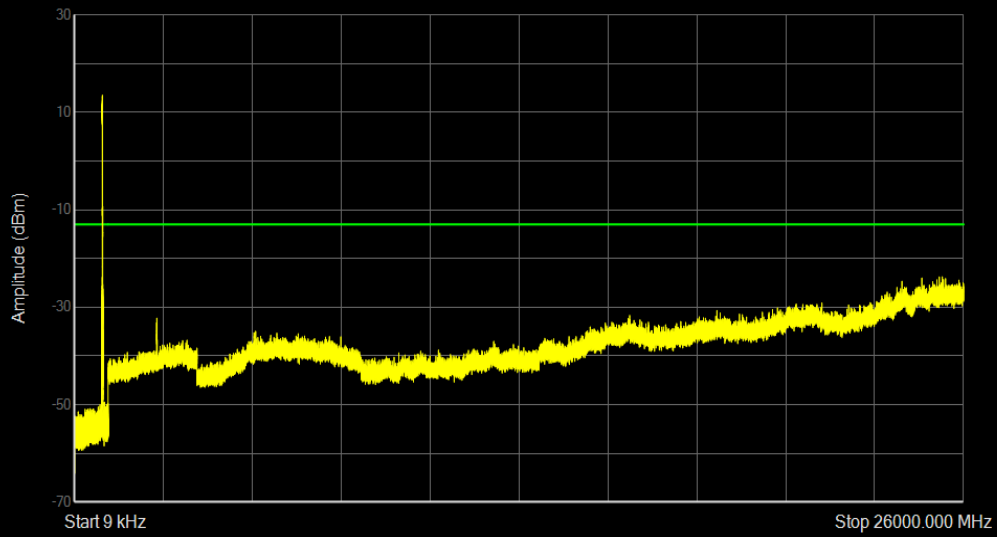
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010187925	-46.63	-13
2	0.15	30	10	6.1035825	-45.85	-13
3	30	1000	100	741.32525	-49.39	-13
4	1000	26000	1000	25573.125	-23.52	-13

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



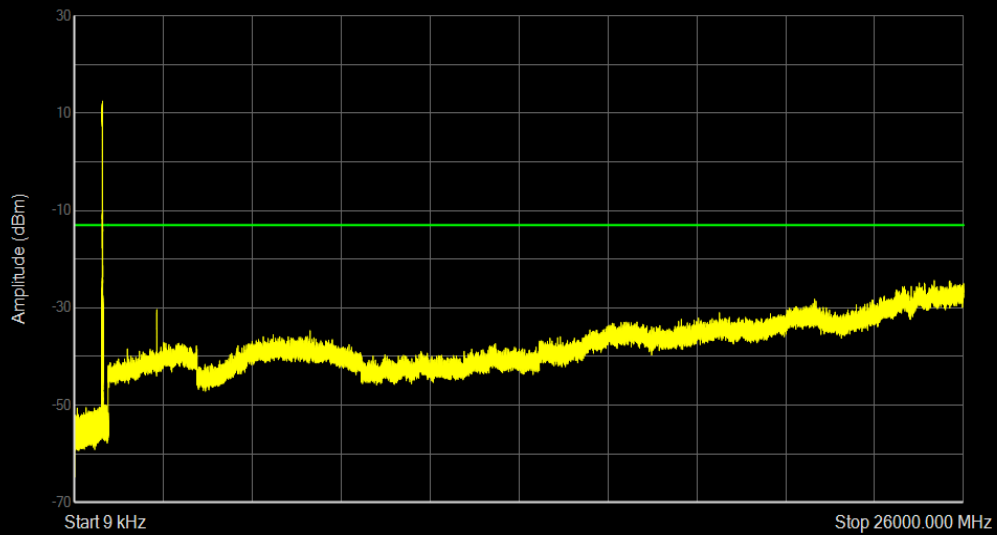
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.117721575	-46.37	-13
2	0.15	30	10	6.11029875	-44.39	-13
3	30	1000	100	916.0465	-49.69	-13
4	1000	26000	1000	25057.5	-23.81	-13

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



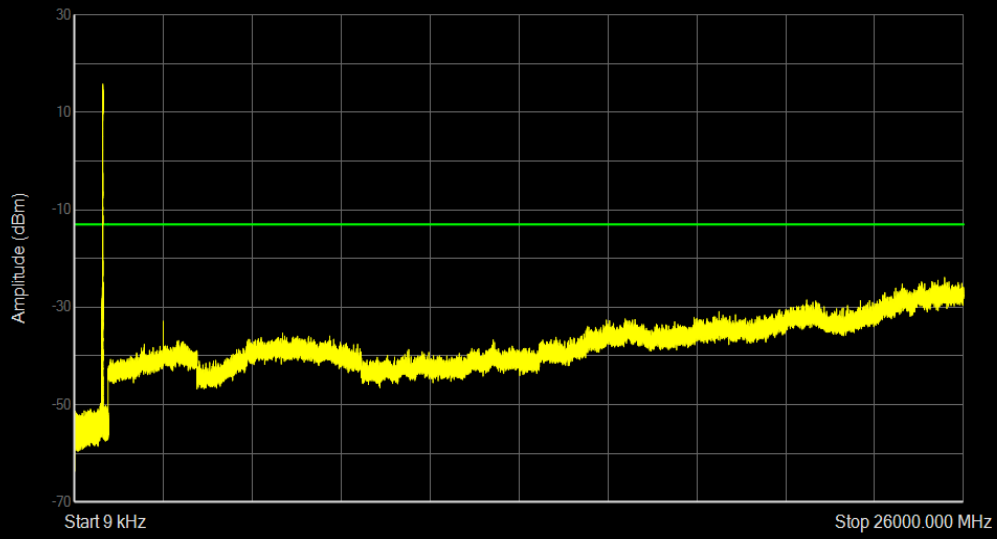
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.52	-13
2	0.15	30	10	6.11925375	-43.72	-13
3	30	1000	100	900.0415	-49.5	-13
4	1000	26000	1000	25379.375	-23.75	-13

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



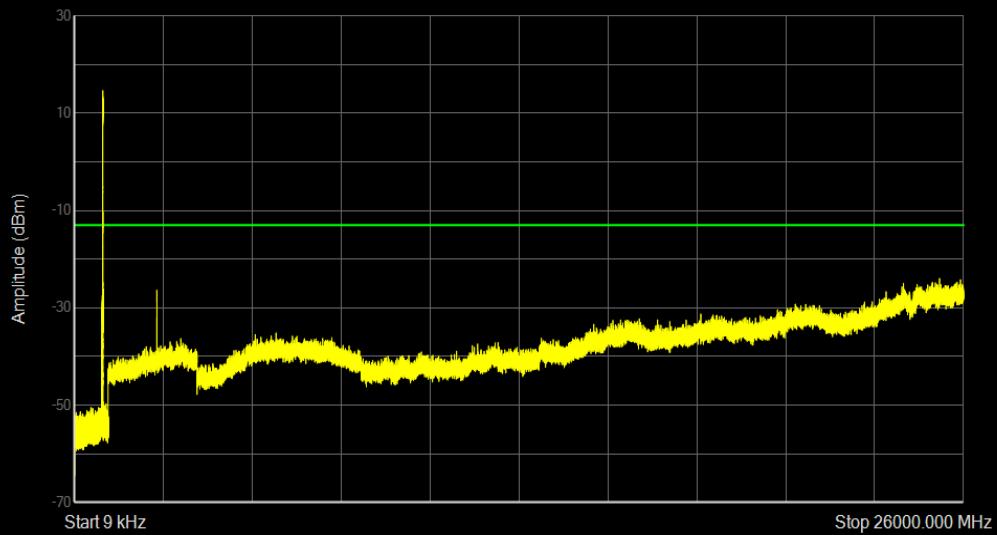
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116854425	-46.59	-13
2	0.15	30	10	6.13119375	-44.54	-13
3	30	1000	100	912.991	-49.96	-13
4	1000	26000	1000	25143.125	-24.39	-13

Band5 QPSK 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	0.0099588	-45.37	-13
2	0.15	30	10	6.1125375	-44.12	-13
3	30	1000	100	932.7305	-50.19	-13
4	1000	26000	1000	25446.875	-23.89	-13

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	0.009454725	-44.67	-13
2	0.15	30	10	6.11477625	-44.05	-13
3	30	1000	100	942.3335	-49.77	-13
4	1000	26000	1000	25298.75	-23.97	-13