

Appendix for Band 5

Report No.: BCTC2410177766-3E

Applicant: GEM ONE NV

Product Name: Onyx V4

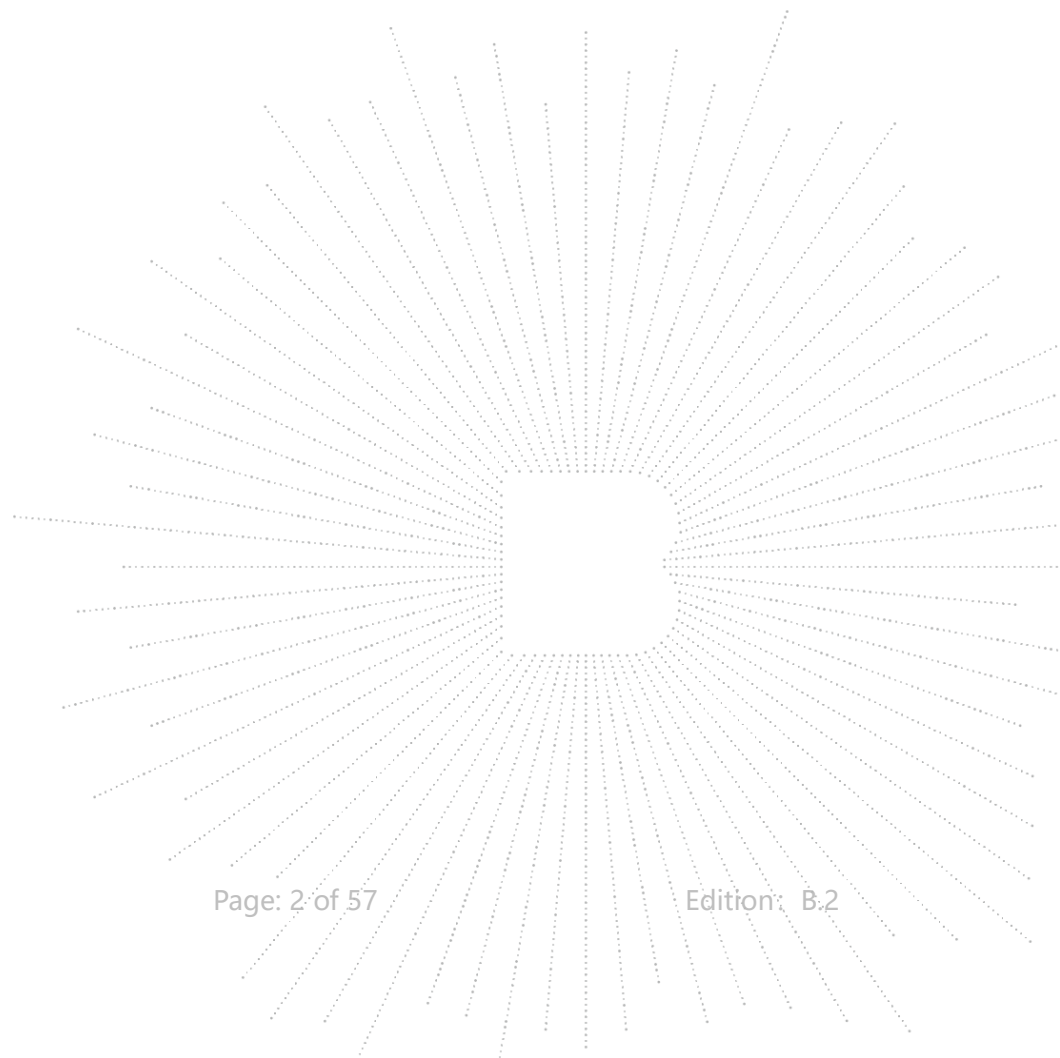
Test Model: Onyx V4

Tested Date: 2024-10-28 to 2024-11-11

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2. Frequency stability.....	7
Appendix 3. Peak-to-Average Ratio	14
Appendix 4. Occupied bandwidth	26
Appendix 5. Band edge	38
Appendix 6. Out-of-band emissions	46



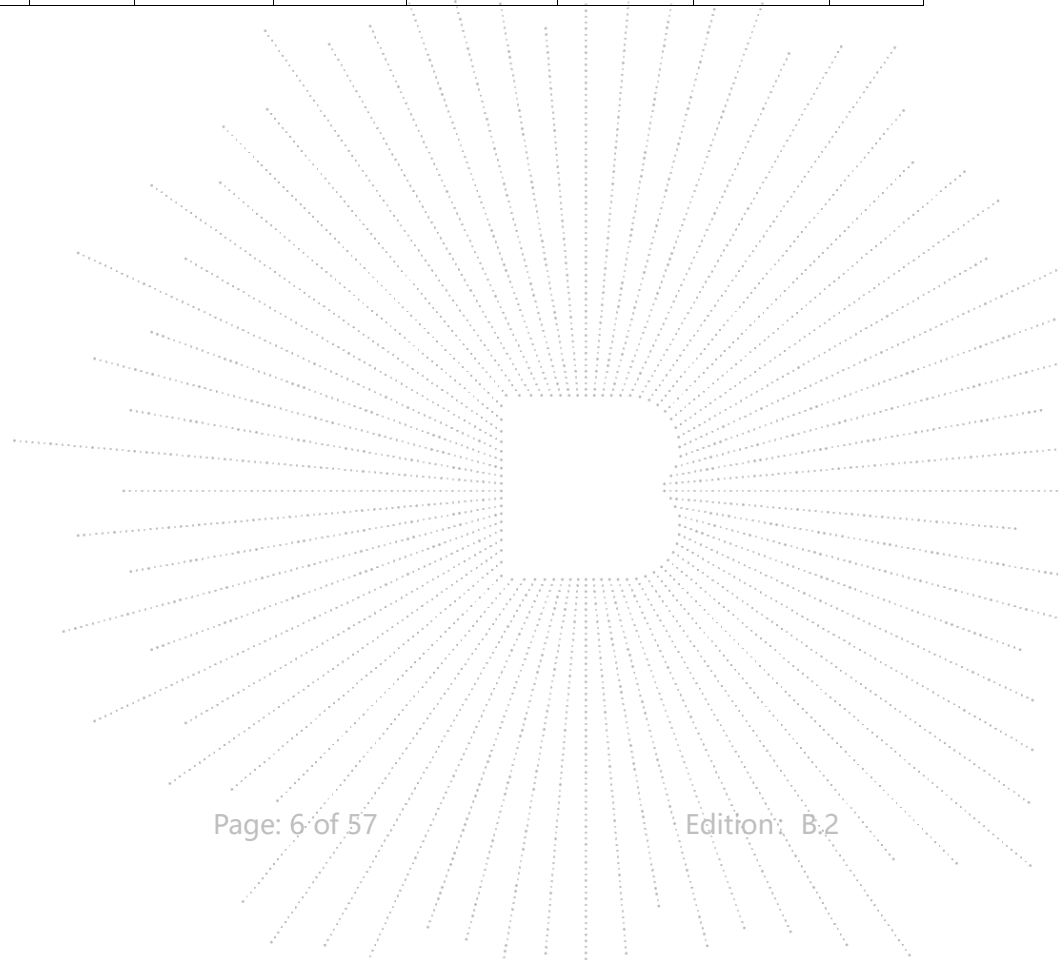
Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	22.44	-0.82	19.47	PASS
Band5	1.4	20407	1	#Mid	QPSK	22.90	-0.82	19.93	PASS
Band5	1.4	20407	1	#Max	QPSK	21.99	-0.82	19.02	PASS
Band5	1.4	20407	3	#0	QPSK	22.47	-0.82	19.50	PASS
Band5	1.4	20407	3	#Mid	QPSK	22.71	-0.82	19.74	PASS
Band5	1.4	20407	3	#Max	QPSK	22.21	-0.82	19.24	PASS
Band5	1.4	20407	6	#0	QPSK	21.23	-0.82	18.26	PASS
Band5	1.4	20407	1	#0	16QAM	21.47	-0.82	18.50	PASS
Band5	1.4	20407	1	#Mid	16QAM	21.97	-0.82	19.00	PASS
Band5	1.4	20407	1	#Max	16QAM	21.09	-0.82	18.12	PASS
Band5	1.4	20407	3	#0	16QAM	21.70	-0.82	18.73	PASS
Band5	1.4	20407	3	#Mid	16QAM	21.92	-0.82	18.95	PASS
Band5	1.4	20407	3	#Max	16QAM	21.42	-0.82	18.45	PASS
Band5	1.4	20407	6	#0	16QAM	20.39	-0.82	17.42	PASS
Band5	1.4	20525	1	#0	QPSK	22.59	-0.82	19.62	PASS
Band5	1.4	20525	1	#Mid	QPSK	22.95	-0.82	19.98	PASS
Band5	1.4	20525	1	#Max	QPSK	21.99	-0.82	19.02	PASS
Band5	1.4	20525	3	#0	QPSK	22.76	-0.82	19.79	PASS
Band5	1.4	20525	3	#Mid	QPSK	22.91	-0.82	19.94	PASS
Band5	1.4	20525	3	#Max	QPSK	22.30	-0.82	19.33	PASS
Band5	1.4	20525	6	#0	QPSK	21.35	-0.82	18.38	PASS
Band5	1.4	20525	1	#0	16QAM	21.72	-0.82	18.75	PASS
Band5	1.4	20525	1	#Mid	16QAM	22.14	-0.82	19.17	PASS
Band5	1.4	20525	1	#Max	16QAM	21.24	-0.82	18.27	PASS
Band5	1.4	20525	3	#0	16QAM	21.98	-0.82	19.01	PASS
Band5	1.4	20525	3	#Mid	16QAM	22.17	-0.82	19.20	PASS
Band5	1.4	20525	3	#Max	16QAM	21.56	-0.82	18.59	PASS
Band5	1.4	20525	6	#0	16QAM	20.54	-0.82	17.57	PASS
Band5	1.4	20643	1	#0	QPSK	22.63	-0.82	19.66	PASS
Band5	1.4	20643	1	#Mid	QPSK	22.74	-0.82	19.77	PASS
Band5	1.4	20643	1	#Max	QPSK	22.95	-0.82	19.98	PASS
Band5	1.4	20643	3	#0	QPSK	22.86	-0.82	19.89	PASS
Band5	1.4	20643	3	#Mid	QPSK	22.98	-0.82	20.01	PASS
Band5	1.4	20643	3	#Max	QPSK	21.91	-0.82	18.94	PASS
Band5	1.4	20643	6	#0	QPSK	21.11	-0.82	18.14	PASS
Band5	1.4	20643	1	#0	16QAM	21.52	-0.82	18.55	PASS

Band5	1.4	20643	1	#Mid	16QAM	21.59	-0.82	18.62	PASS
Band5	1.4	20643	1	#Max	16QAM	21.75	-0.82	18.78	PASS
Band5	1.4	20643	3	#0	16QAM	22.06	-0.82	19.09	PASS
Band5	1.4	20643	3	#Mid	16QAM	22.19	-0.82	19.22	PASS
Band5	1.4	20643	3	#Max	16QAM	21.19	-0.82	18.22	PASS
Band5	1.4	20643	6	#0	16QAM	20.31	-0.82	17.34	PASS
Band5	3	20415	1	#0	QPSK	22.18	-0.82	19.21	PASS
Band5	3	20415	1	#Mid	QPSK	22.84	-0.82	19.87	PASS
Band5	3	20415	1	#Max	QPSK	21.79	-0.82	18.82	PASS
Band5	3	20415	8	#0	QPSK	21.24	-0.82	18.27	PASS
Band5	3	20415	8	#Mid	QPSK	21.52	-0.82	18.55	PASS
Band5	3	20415	8	#Max	QPSK	21.27	-0.82	18.30	PASS
Band5	3	20415	15	#0	QPSK	21.22	-0.82	18.25	PASS
Band5	3	20415	1	#0	16QAM	21.62	-0.82	18.65	PASS
Band5	3	20415	1	#Mid	16QAM	22.32	-0.82	19.35	PASS
Band5	3	20415	1	#Max	16QAM	21.26	-0.82	18.29	PASS
Band5	3	20415	8	#0	16QAM	20.31	-0.82	17.34	PASS
Band5	3	20415	8	#Mid	16QAM	20.59	-0.82	17.62	PASS
Band5	3	20415	8	#Max	16QAM	20.32	-0.82	17.35	PASS
Band5	3	20415	15	#0	16QAM	20.30	-0.82	17.33	PASS
Band5	3	20525	1	#0	QPSK	22.69	-0.82	19.72	PASS
Band5	3	20525	1	#Mid	QPSK	23.05	-0.82	20.08	PASS
Band5	3	20525	1	#Max	QPSK	21.72	-0.82	18.75	PASS
Band5	3	20525	8	#0	QPSK	21.57	-0.82	18.60	PASS
Band5	3	20525	8	#Mid	QPSK	21.71	-0.82	18.74	PASS
Band5	3	20525	8	#Max	QPSK	21.27	-0.82	18.30	PASS
Band5	3	20525	15	#0	QPSK	21.39	-0.82	18.42	PASS
Band5	3	20525	1	#0	16QAM	21.84	-0.82	18.87	PASS
Band5	3	20525	1	#Mid	16QAM	22.25	-0.82	19.28	PASS
Band5	3	20525	1	#Max	16QAM	20.96	-0.82	17.99	PASS
Band5	3	20525	8	#0	16QAM	20.63	-0.82	17.66	PASS
Band5	3	20525	8	#Mid	16QAM	20.75	-0.82	17.78	PASS
Band5	3	20525	8	#Max	16QAM	20.26	-0.82	17.29	PASS
Band5	3	20525	15	#0	16QAM	20.40	-0.82	17.43	PASS
Band5	3	20635	1	#0	QPSK	23.16	-0.82	20.19	PASS
Band5	3	20635	1	#Mid	QPSK	23.38	-0.82	20.41	PASS
Band5	3	20635	1	#Max	QPSK	22.78	-0.82	19.81	PASS
Band5	3	20635	8	#0	QPSK	21.83	-0.82	18.86	PASS
Band5	3	20635	8	#Mid	QPSK	21.92	-0.82	18.95	PASS
Band5	3	20635	8	#Max	QPSK	21.30	-0.82	18.33	PASS
Band5	3	20635	15	#0	QPSK	21.56	-0.82	18.59	PASS
Band5	3	20635	1	#0	16QAM	22.08	-0.82	19.11	PASS
Band5	3	20635	1	#Mid	16QAM	22.26	-0.82	19.29	PASS

Band5	3	20635	1	#Max	16QAM	21.61	-0.82	18.64	PASS
Band5	3	20635	8	#0	16QAM	20.92	-0.82	17.95	PASS
Band5	3	20635	8	#Mid	16QAM	21.08	-0.82	18.11	PASS
Band5	3	20635	8	#Max	16QAM	20.50	-0.82	17.53	PASS
Band5	3	20635	15	#0	16QAM	20.79	-0.82	17.82	PASS
Band5	5	20425	1	#0	QPSK	22.28	-0.82	19.31	PASS
Band5	5	20425	1	#Mid	QPSK	22.18	-0.82	19.21	PASS
Band5	5	20425	1	#Max	QPSK	22.38	-0.82	19.41	PASS
Band5	5	20425	12	#0	QPSK	21.48	-0.82	18.51	PASS
Band5	5	20425	12	#Mid	QPSK	21.55	-0.82	18.58	PASS
Band5	5	20425	12	#Max	QPSK	21.87	-0.82	18.90	PASS
Band5	5	20425	25	#0	QPSK	21.30	-0.82	18.33	PASS
Band5	5	20425	1	#0	16QAM	21.84	-0.82	18.87	PASS
Band5	5	20425	1	#Mid	16QAM	21.74	-0.82	18.77	PASS
Band5	5	20425	1	#Max	16QAM	21.88	-0.82	18.91	PASS
Band5	5	20425	12	#0	16QAM	20.51	-0.82	17.54	PASS
Band5	5	20425	12	#Mid	16QAM	20.60	-0.82	17.63	PASS
Band5	5	20425	12	#Max	16QAM	20.92	-0.82	17.95	PASS
Band5	5	20425	25	#0	16QAM	20.35	-0.82	17.38	PASS
Band5	5	20525	1	#0	QPSK	22.93	-0.82	19.96	PASS
Band5	5	20525	1	#Mid	QPSK	22.28	-0.82	19.31	PASS
Band5	5	20525	1	#Max	QPSK	22.13	-0.82	19.16	PASS
Band5	5	20525	12	#0	QPSK	21.67	-0.82	18.70	PASS
Band5	5	20525	12	#Mid	QPSK	21.43	-0.82	18.46	PASS
Band5	5	20525	12	#Max	QPSK	21.34	-0.82	18.37	PASS
Band5	5	20525	25	#0	QPSK	21.38	-0.82	18.41	PASS
Band5	5	20525	1	#0	16QAM	22.23	-0.82	19.26	PASS
Band5	5	20525	1	#Mid	16QAM	21.66	-0.82	18.69	PASS
Band5	5	20525	1	#Max	16QAM	21.56	-0.82	18.59	PASS
Band5	5	20525	12	#0	16QAM	20.65	-0.82	17.68	PASS
Band5	5	20525	12	#Mid	16QAM	20.44	-0.82	17.47	PASS
Band5	5	20525	12	#Max	16QAM	20.34	-0.82	17.37	PASS
Band5	5	20525	25	#0	16QAM	20.45	-0.82	17.48	PASS
Band5	5	20625	1	#0	QPSK	23.42	-0.82	20.45	PASS
Band5	5	20625	1	#Mid	QPSK	22.78	-0.82	19.81	PASS
Band5	5	20625	1	#Max	QPSK	22.67	-0.82	19.70	PASS
Band5	5	20625	12	#0	QPSK	22.27	-0.82	19.30	PASS
Band5	5	20625	12	#Mid	QPSK	22.18	-0.82	19.21	PASS
Band5	5	20625	12	#Max	QPSK	22.10	-0.82	19.13	PASS
Band5	5	20625	25	#0	QPSK	21.89	-0.82	18.92	PASS
Band5	5	20625	1	#0	16QAM	22.92	-0.82	19.95	PASS
Band5	5	20625	1	#Mid	16QAM	22.27	-0.82	19.30	PASS
Band5	5	20625	1	#Max	16QAM	22.18	-0.82	19.21	PASS

Band5	5	20625	12	#0	16QAM	21.31	-0.82	18.34	PASS
Band5	5	20625	12	#Mid	16QAM	21.24	-0.82	18.27	PASS
Band5	5	20625	12	#Max	16QAM	21.16	-0.82	18.19	PASS
Band5	5	20625	25	#0	16QAM	20.89	-0.82	17.92	PASS
Band5	10	20450	1	#0	QPSK	22.27	-0.82	19.30	PASS
Band5	10	20450	1	#Mid	QPSK	22.79	-0.82	19.82	PASS
Band5	10	20450	1	#Max	QPSK	21.85	-0.82	18.88	PASS
Band5	10	20450	25	#0	QPSK	21.58	-0.82	18.61	PASS
Band5	10	20450	25	#Mid	QPSK	21.85	-0.82	18.88	PASS
Band5	10	20450	25	#Max	QPSK	21.90	-0.82	18.93	PASS
Band5	10	20450	50	#0	QPSK	21.83	-0.82	18.86	PASS
Band5	10	20525	1	#0	QPSK	23.34	-0.82	20.37	PASS
Band5	10	20525	1	#Mid	QPSK	22.82	-0.82	19.85	PASS
Band5	10	20525	1	#Max	QPSK	22.37	-0.82	19.40	PASS
Band5	10	20525	25	#0	QPSK	22.10	-0.82	19.13	PASS
Band5	10	20525	25	#Mid	QPSK	21.71	-0.82	18.74	PASS
Band5	10	20525	25	#Max	QPSK	21.64	-0.82	18.67	PASS
Band5	10	20525	50	#0	QPSK	21.65	-0.82	18.68	PASS
Band5	10	20600	1	#0	QPSK	21.60	-0.82	18.63	PASS
Band5	10	20600	1	#Mid	QPSK	23.03	-0.82	20.06	PASS
Band5	10	20600	1	#Max	QPSK	22.99	-0.82	20.02	PASS
Band5	10	20600	25	#0	QPSK	21.69	-0.82	18.72	PASS
Band5	10	20600	25	#Mid	QPSK	21.98	-0.82	19.01	PASS
Band5	10	20600	25	#Max	QPSK	22.36	-0.82	19.39	PASS
Band5	10	20600	50	#0	QPSK	21.81	-0.82	18.84	PASS



Appendix 2. Frequency stability

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	LV	NT	-4.38	-0.005	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-1.50	-0.002	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	1.37	0.002	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	0.11	0.000	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-0.70	-0.001	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-1.43	-0.002	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-7.14	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-4.63	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-3.03	-0.004	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-2.78	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-2.80	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-2.29	-0.003	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-7.74	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-2.85	-0.003	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-2.65	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-2.15	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-2.66	-0.003	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-1.39	-0.002	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-8.17	-0.010	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-5.94	-0.007	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	0.09	0.000	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	0.67	0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-0.19	0.000	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-0.17	0.000	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-6.22	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-6.38	-0.008	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-5.62	-0.007	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-6.05	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-5.94	-0.007	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-7.35	-0.009	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-6.65	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-7.01	-0.008	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-5.68	-0.007	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-5.02	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-4.08	-0.005	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-4.61	-0.005	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-7.12	-0.009	PASS
Band5	5	20425	25	#0	QPSK	NV	NT	-0.57	-0.001	PASS

Band5	5	20425	25	#0	QPSK	HV	NT	-0.09	0.000	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-0.37	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-0.49	-0.001	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-1.50	-0.002	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-6.42	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-5.04	-0.006	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-0.21	0.000	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-0.29	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-2.63	-0.003	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-5.72	-0.007	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-7.28	-0.009	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-3.26	-0.004	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	0.47	0.001	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-5.79	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-6.41	-0.008	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-6.27	-0.007	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-5.95	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	0.70	0.001	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-0.17	0.000	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-4.89	-0.006	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-0.90	-0.001	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-0.04	0.000	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-7.60	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-1.54	-0.002	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-1.07	-0.001	PASS

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	NV	-30	-6.01	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-3.66	-0.004	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	0.40	0.000	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	0.06	0.000	PASS
Band5	1.4	20407	6	#0	QPSK	NV	10	-1.44	-0.002	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-1.02	-0.001	PASS
Band5	1.4	20407	6	#0	QPSK	NV	30	-1.79	-0.002	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-2.33	-0.003	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-1.70	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-1.60	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-1.62	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-2.73	-0.003	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-1.95	-0.002	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-2.42	-0.003	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-3.25	-0.004	PASS

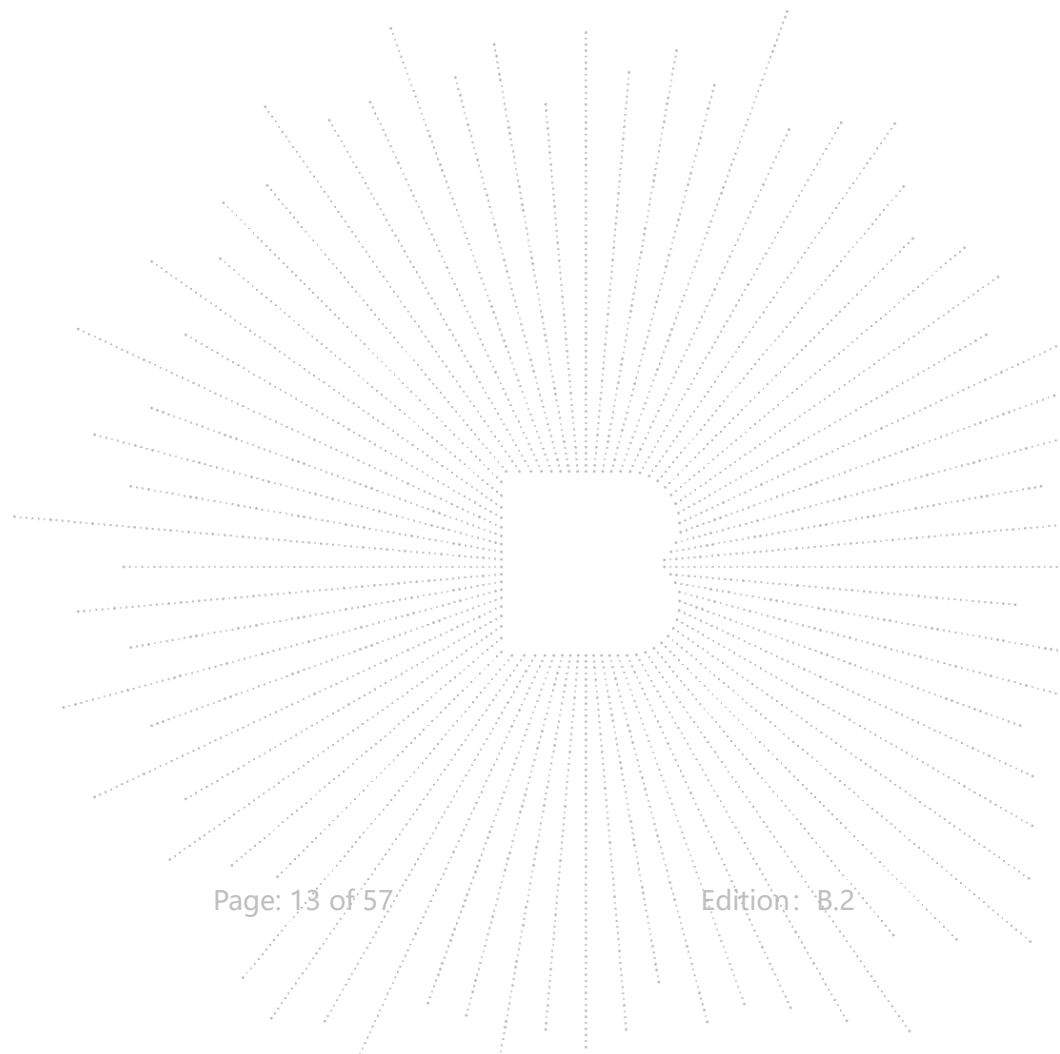
Band5	1.4	20407	6	#0	16QAM	NV	30	-3.56	-0.004	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-2.98	-0.004	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-2.89	-0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-6.14	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	-5.89	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	-3.45	-0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	-3.99	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	-4.85	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	-5.51	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	-5.12	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-4.51	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-5.21	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	-4.55	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-3.96	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-4.26	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-5.59	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-5.26	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-4.23	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-4.49	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-4.86	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-4.49	-0.005	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-7.22	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-5.08	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-2.03	-0.002	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-5.42	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-4.76	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	-4.92	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-5.22	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-6.15	-0.007	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-5.84	-0.007	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	-6.92	-0.008	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-20	-5.69	-0.007	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-5.35	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	-5.87	-0.007	PASS
Band5	1.4	20643	6	#0	16QAM	NV	10	-5.09	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-5.25	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-5.64	-0.007	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	-5.39	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	-5.11	-0.006	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-7.51	-0.009	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-5.99	-0.007	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-0.74	-0.001	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-0.63	-0.001	PASS

Band5	3	20415	15	#0	QPSK	NV	10	-0.16	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-1.52	-0.002	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-1.65	-0.002	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-0.39	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-0.86	-0.001	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-2.35	-0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	-1.75	-0.002	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	-3.29	-0.004	PASS
Band5	3	20415	15	#0	16QAM	NV	0	-1.95	-0.002	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-2.49	-0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-2.69	-0.003	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-3.46	-0.004	PASS
Band5	3	20415	15	#0	16QAM	NV	40	-4.68	-0.006	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-6.62	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-5.35	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-5.56	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-4.31	-0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-1.79	-0.002	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-4.15	-0.005	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-6.64	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-5.81	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-5.25	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	50	-5.25	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	-5.59	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	-5.08	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	-5.36	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-5.81	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-5.18	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-5.49	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-5.95	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	40	-4.28	-0.005	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-4.79	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-6.04	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-4.58	-0.005	PASS
Band5	3	20635	15	#0	QPSK	NV	-10	-0.73	-0.001	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-1.85	-0.002	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-2.60	-0.003	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-6.21	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	30	-7.00	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	40	-6.97	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	50	-5.12	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	-5.19	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	-5.25	-0.006	PASS

Band5	3	20635	15	#0	16QAM	NV	-10	-5.06	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	0	-4.88	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	10	-5.65	-0.007	PASS
Band5	3	20635	15	#0	16QAM	NV	20	-5.29	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-4.22	-0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	40	-4.98	-0.006	PASS
Band5	3	20635	15	#0	16QAM	NV	50	-5.19	-0.006	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-6.21	-0.008	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-1.72	-0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-0.77	-0.001	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-1.07	-0.001	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-1.83	-0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-1.09	-0.001	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-1.40	-0.002	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-0.96	-0.001	PASS
Band5	5	20425	25	#0	QPSK	NV	50	-1.85	-0.002	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	-1.43	-0.002	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	-1.37	-0.002	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	-3.09	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-2.92	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-2.66	-0.003	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-2.86	-0.003	PASS
Band5	5	20425	25	#0	16QAM	NV	30	-3.32	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-3.55	-0.004	PASS
Band5	5	20425	25	#0	16QAM	NV	50	-4.78	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	-6.71	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	-5.44	-0.007	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	-2.35	-0.003	PASS
Band5	5	20525	25	#0	QPSK	NV	0	-0.36	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	10	0.16	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	20	-1.39	-0.002	PASS
Band5	5	20525	25	#0	QPSK	NV	30	-1.40	-0.002	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-2.85	-0.003	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-3.69	-0.004	PASS
Band5	5	20525	25	#0	16QAM	NV	-30	-4.95	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	-5.88	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	-6.65	-0.008	PASS
Band5	5	20525	25	#0	16QAM	NV	0	-6.22	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	10	-4.91	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	20	-5.14	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	30	-5.46	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	40	-5.18	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	50	-5.26	-0.006	PASS

Band5	5	20625	25	#0	QPSK	NV	-30	-6.88	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-4.78	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-0.79	-0.001	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-1.19	-0.001	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-2.07	-0.002	PASS
Band5	5	20625	25	#0	QPSK	NV	20	-3.39	-0.004	PASS
Band5	5	20625	25	#0	QPSK	NV	30	-5.41	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	40	-6.09	-0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	50	-5.71	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-5.24	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	-6.71	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	-6.52	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	0	-6.84	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-6.42	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	20	-6.44	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	30	-6.02	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	40	-6.35	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	50	-5.48	-0.006	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-7.04	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-0.30	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-0.39	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-0.29	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-1.23	-0.001	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-1.57	-0.002	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-1.26	-0.002	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-1.99	-0.002	PASS
Band5	10	20450	50	#0	QPSK	NV	50	-1.42	-0.002	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-6.49	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-4.29	-0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-1.26	-0.002	PASS
Band5	10	20525	50	#0	QPSK	NV	0	-1.62	-0.002	PASS
Band5	10	20525	50	#0	QPSK	NV	10	-2.46	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-2.29	-0.003	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-3.88	-0.005	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-6.42	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-5.09	-0.006	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-7.48	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-2.52	-0.003	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-2.50	-0.003	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-6.52	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	10	-6.81	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	20	-6.74	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	30	-5.51	-0.007	PASS

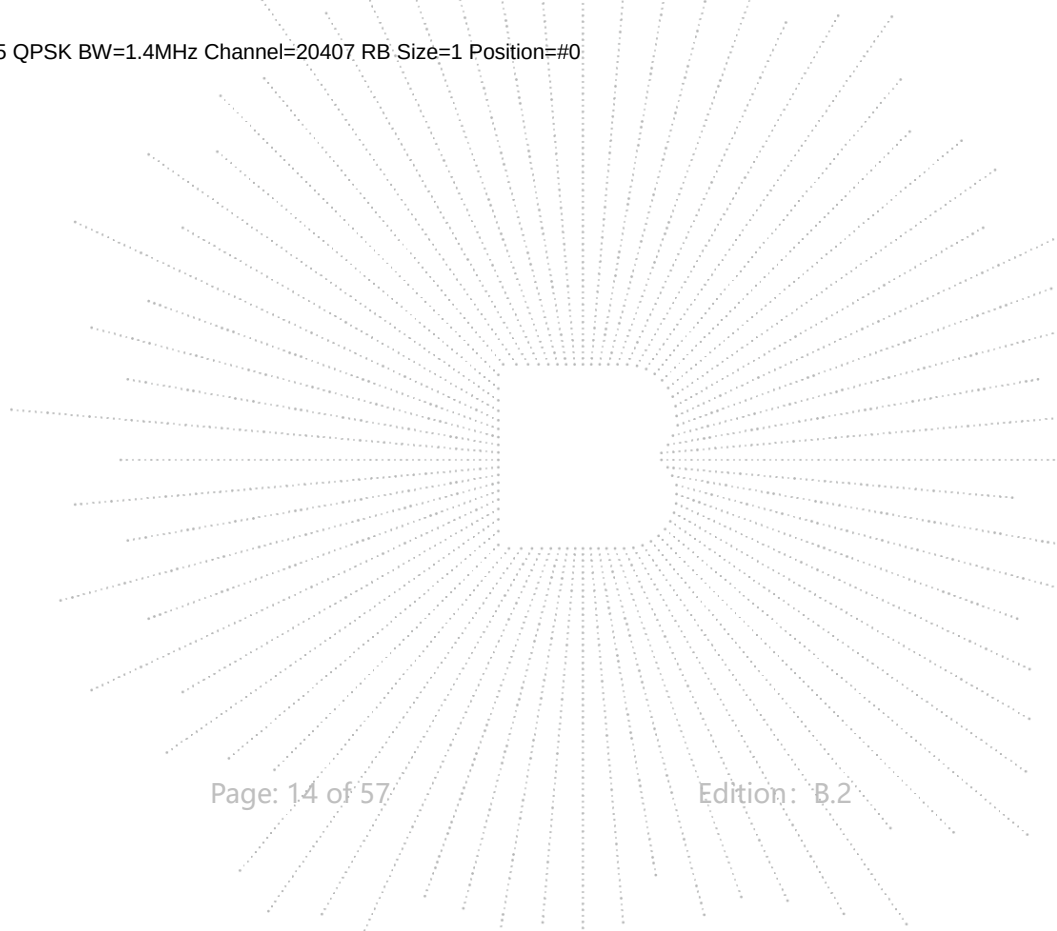
Band5	10	20600	50	#0	QPSK	NV	40	-5.42	-0.006	PASS
Band5	10	20600	50	#0	QPSK	NV	50	-6.61	-0.008	PASS

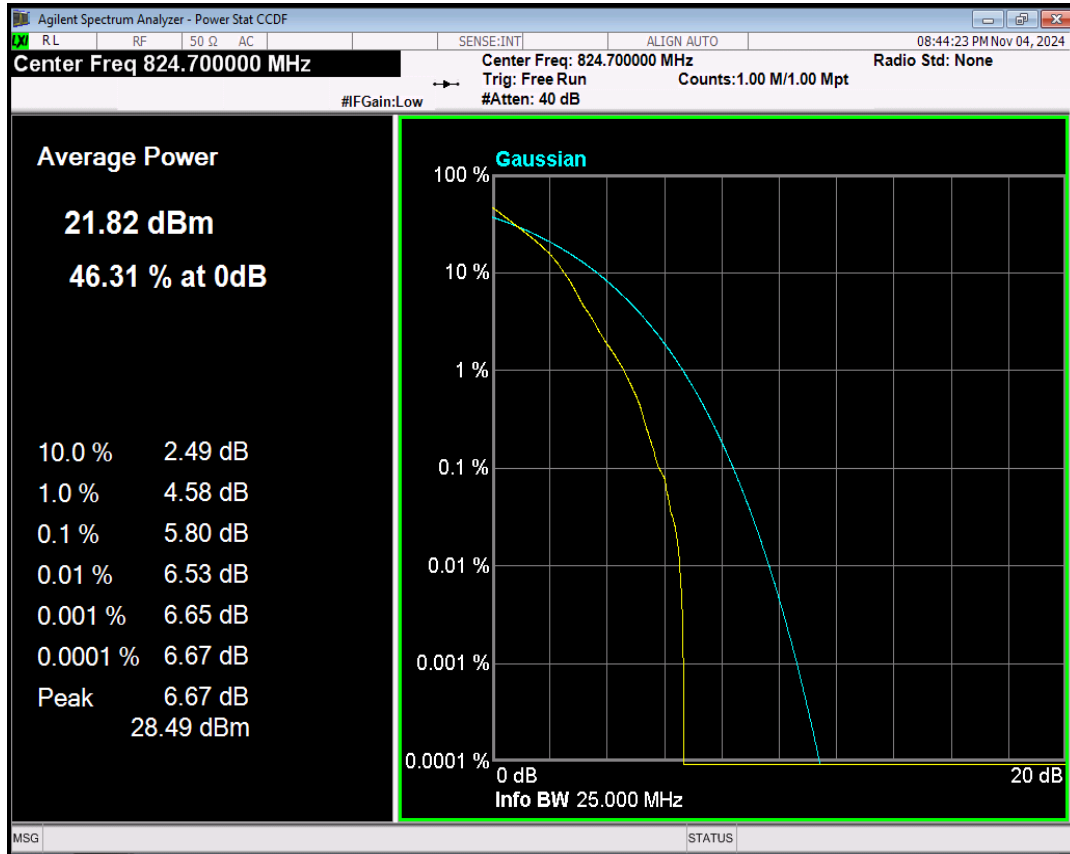


Appendix 3. Peak-to-Average Ratio

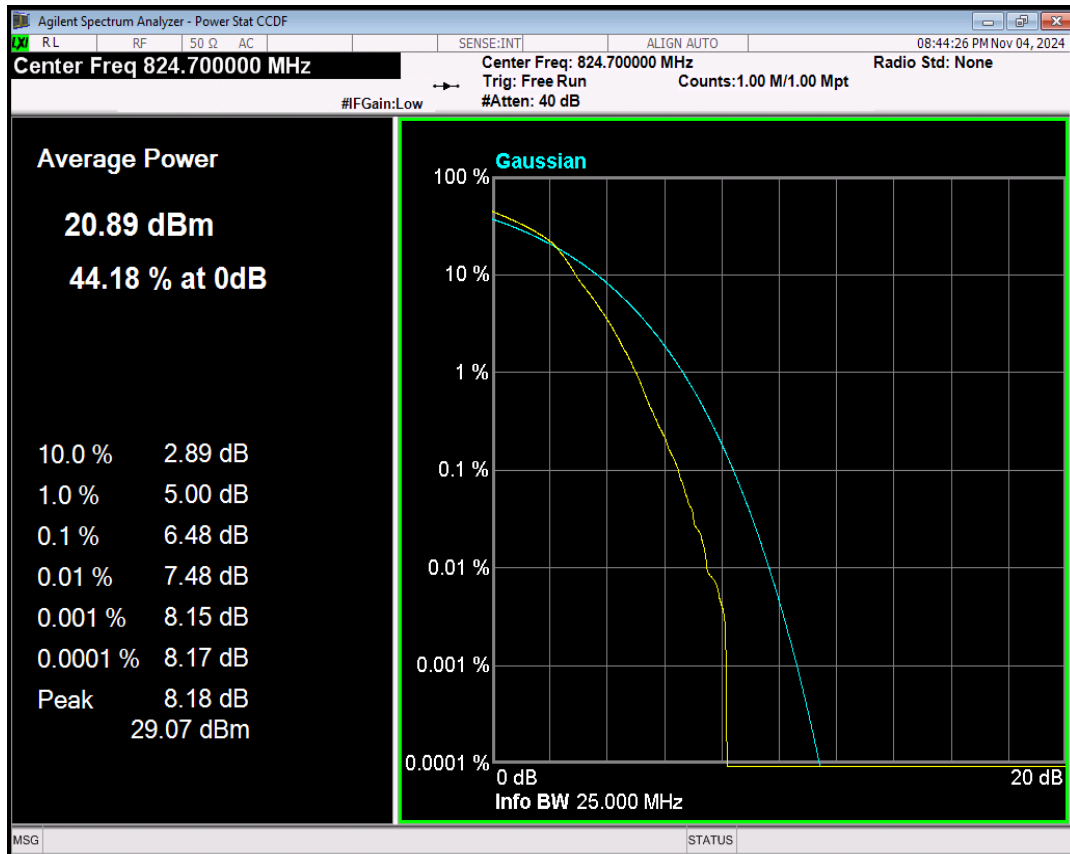
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	5.80	13	PASS
Band5	1.4	20407	1	#0	16QAM	6.48	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.47	13	PASS
Band5	1.4	20525	1	#0	16QAM	6.32	13	PASS
Band5	1.4	20643	1	#0	QPSK	4.96	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.57	13	PASS
Band5	3	20415	1	#0	QPSK	5.79	13	PASS
Band5	3	20415	1	#0	16QAM	6.59	13	PASS
Band5	3	20525	1	#0	QPSK	5.66	13	PASS
Band5	3	20525	1	#0	16QAM	6.51	13	PASS
Band5	3	20635	1	#0	QPSK	4.74	13	PASS
Band5	3	20635	1	#0	16QAM	5.39	13	PASS
Band5	5	20425	1	#0	QPSK	6.16	13	PASS
Band5	5	20425	1	#0	16QAM	6.39	13	PASS
Band5	5	20525	1	#0	QPSK	5.50	13	PASS
Band5	5	20525	1	#0	16QAM	6.08	13	PASS
Band5	5	20625	1	#0	QPSK	5.77	13	PASS
Band5	5	20625	1	#0	16QAM	6.45	13	PASS
Band5	10	20450	1	#0	QPSK	5.80	13	PASS
Band5	10	20525	1	#0	QPSK	5.71	13	PASS
Band5	10	20600	1	#0	QPSK	5.46	13	PASS

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

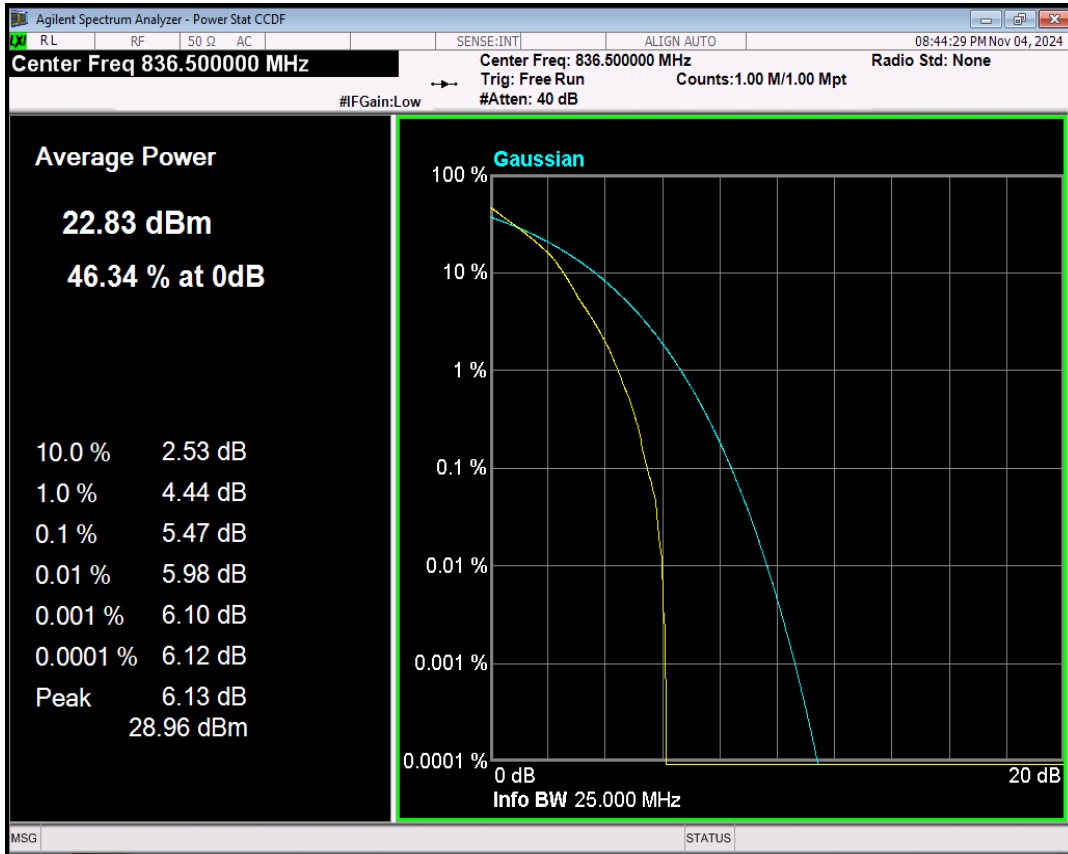




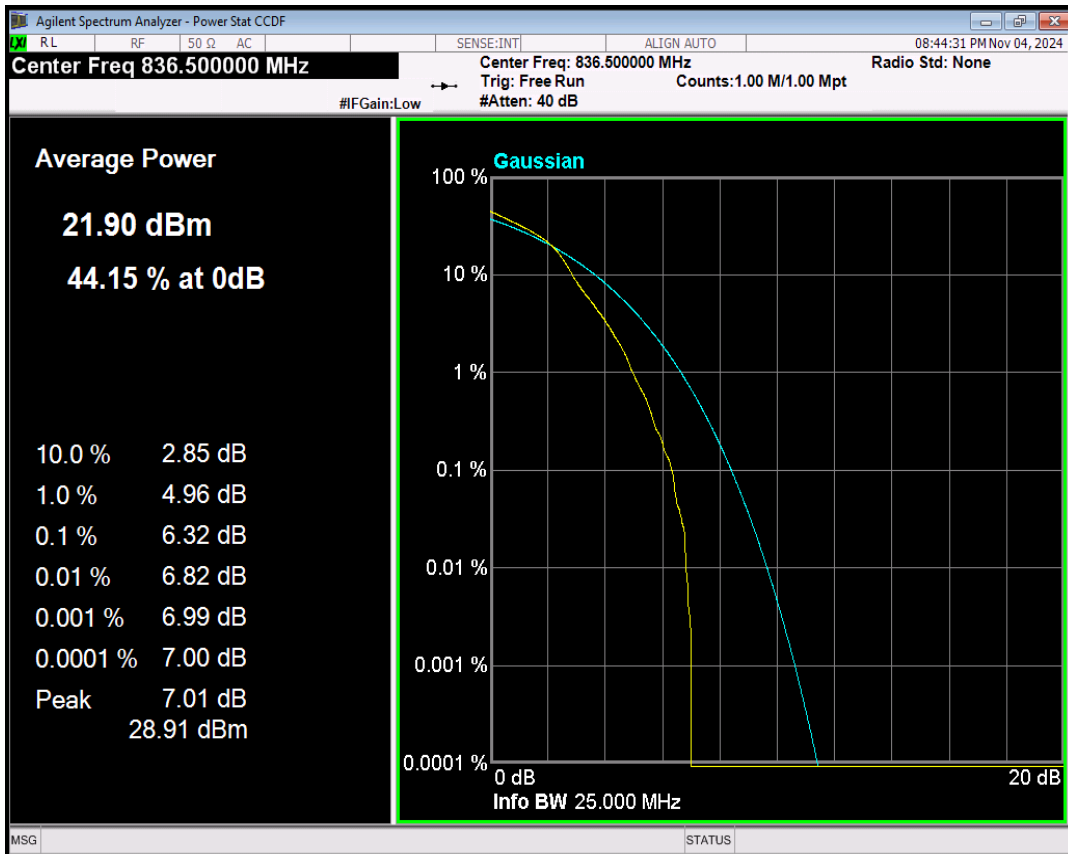
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



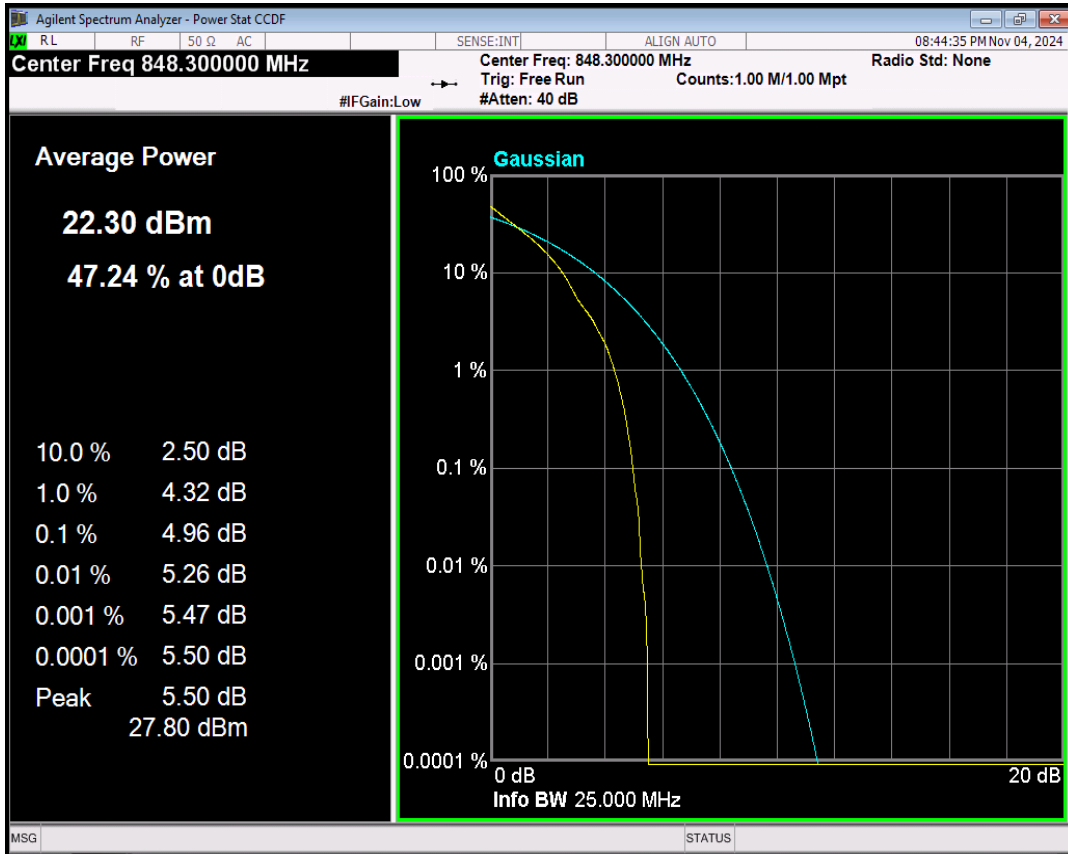
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



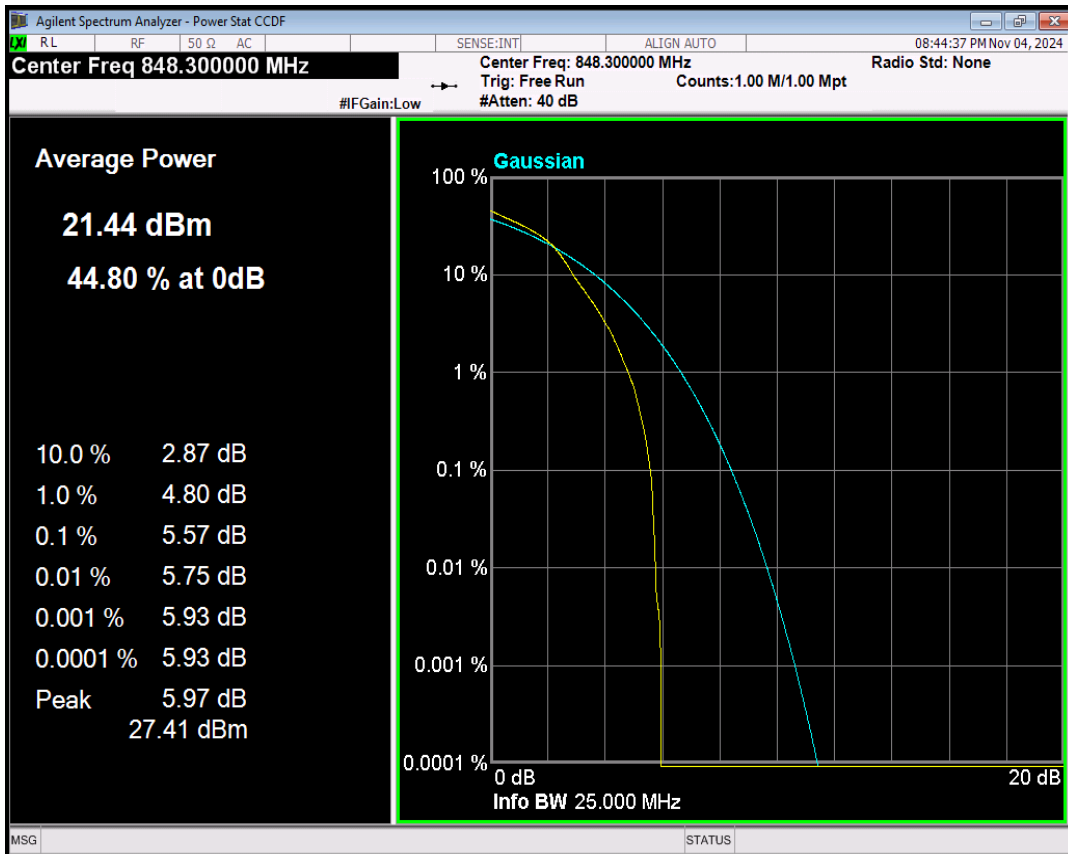
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



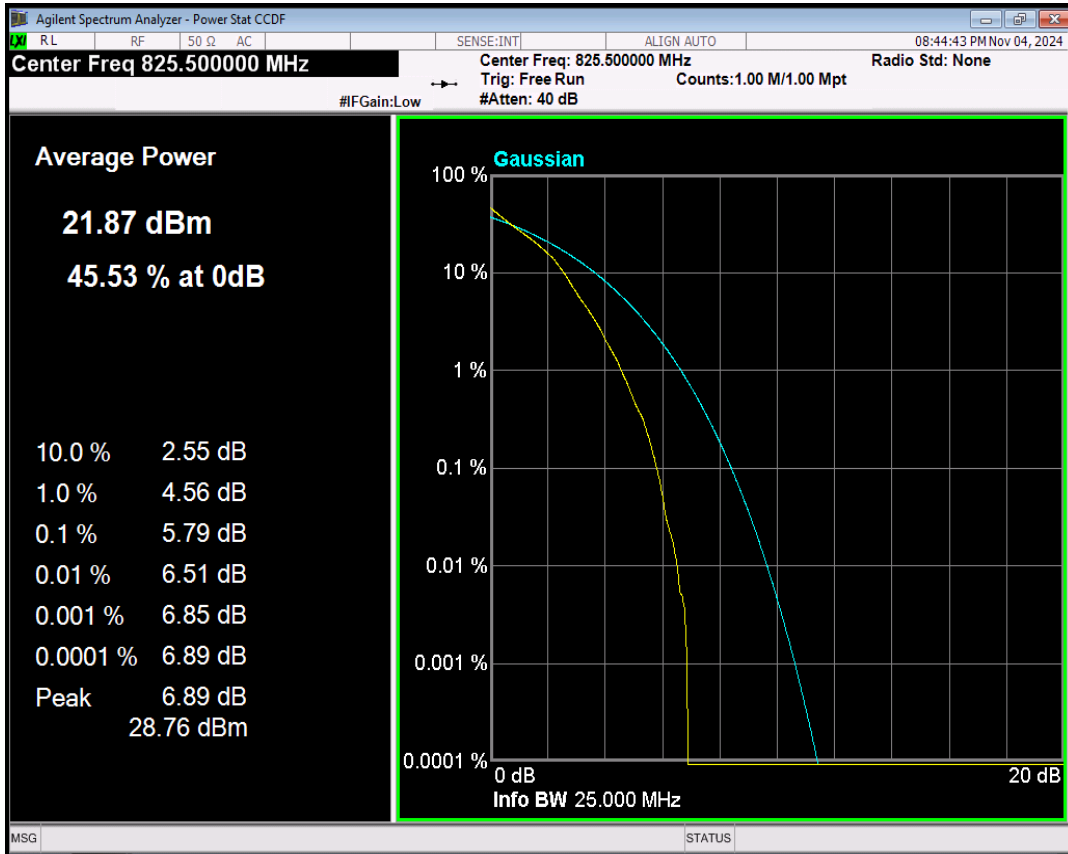
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



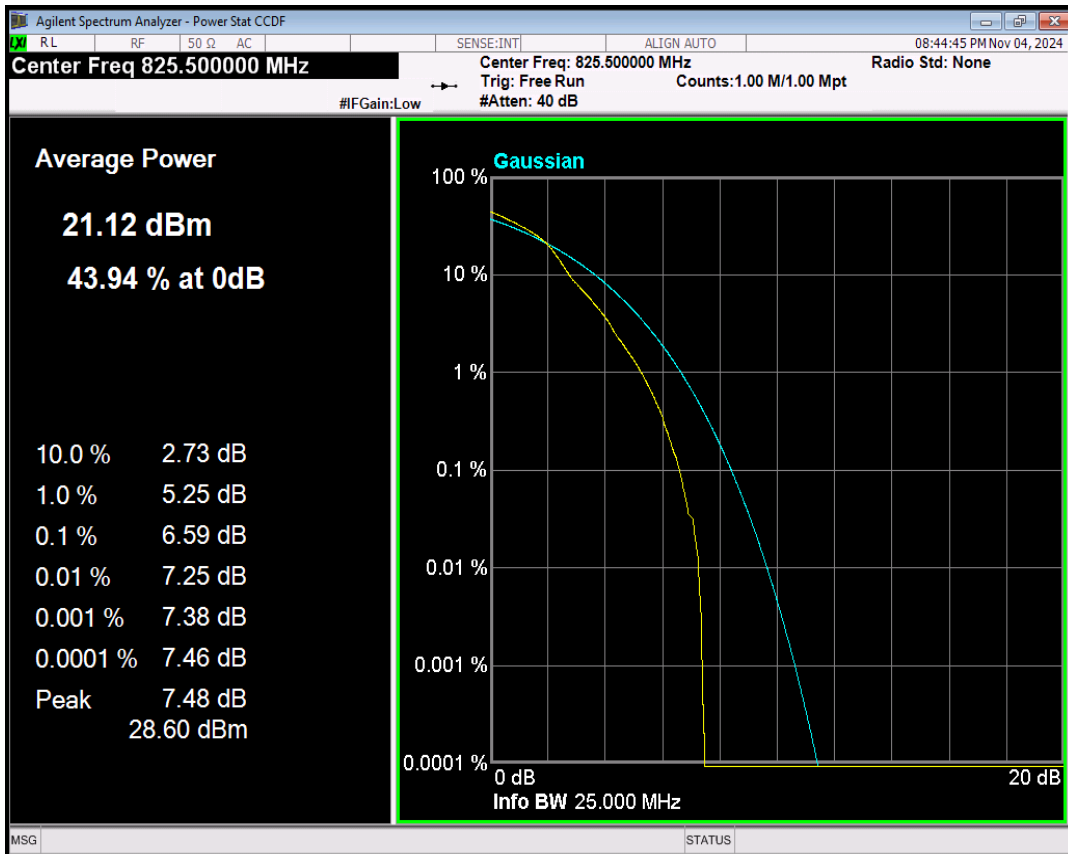
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



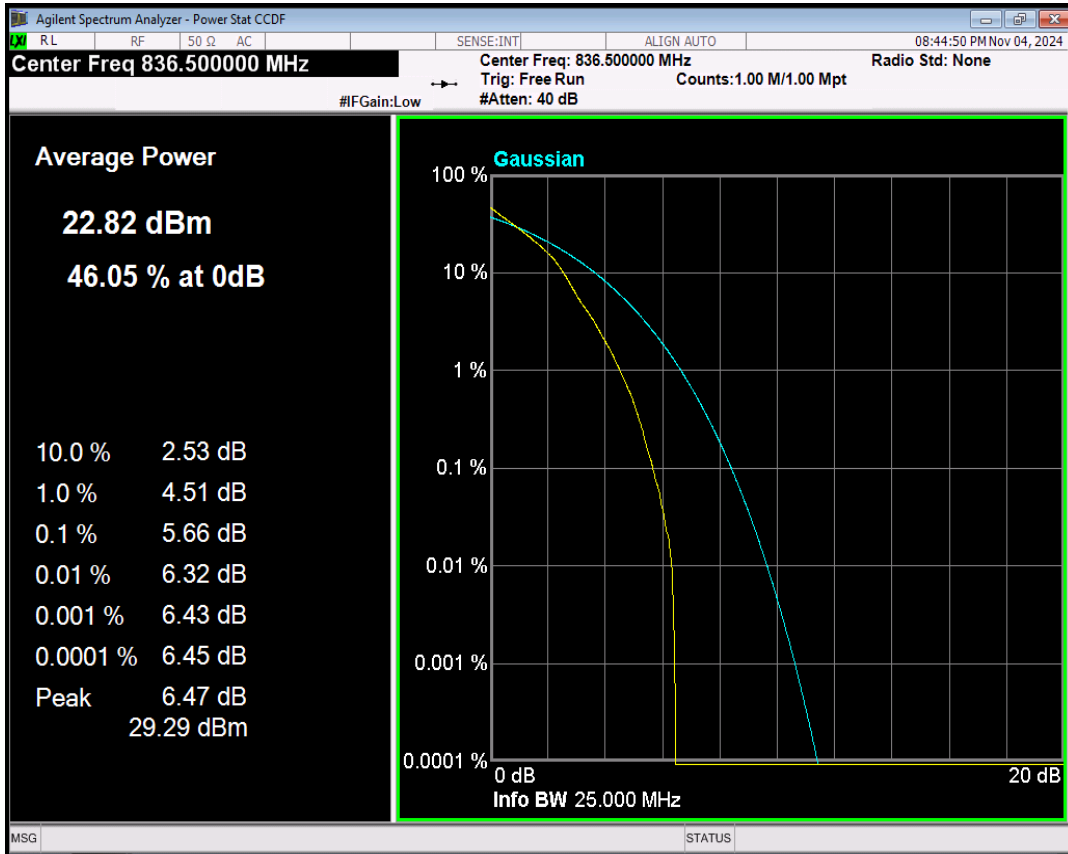
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



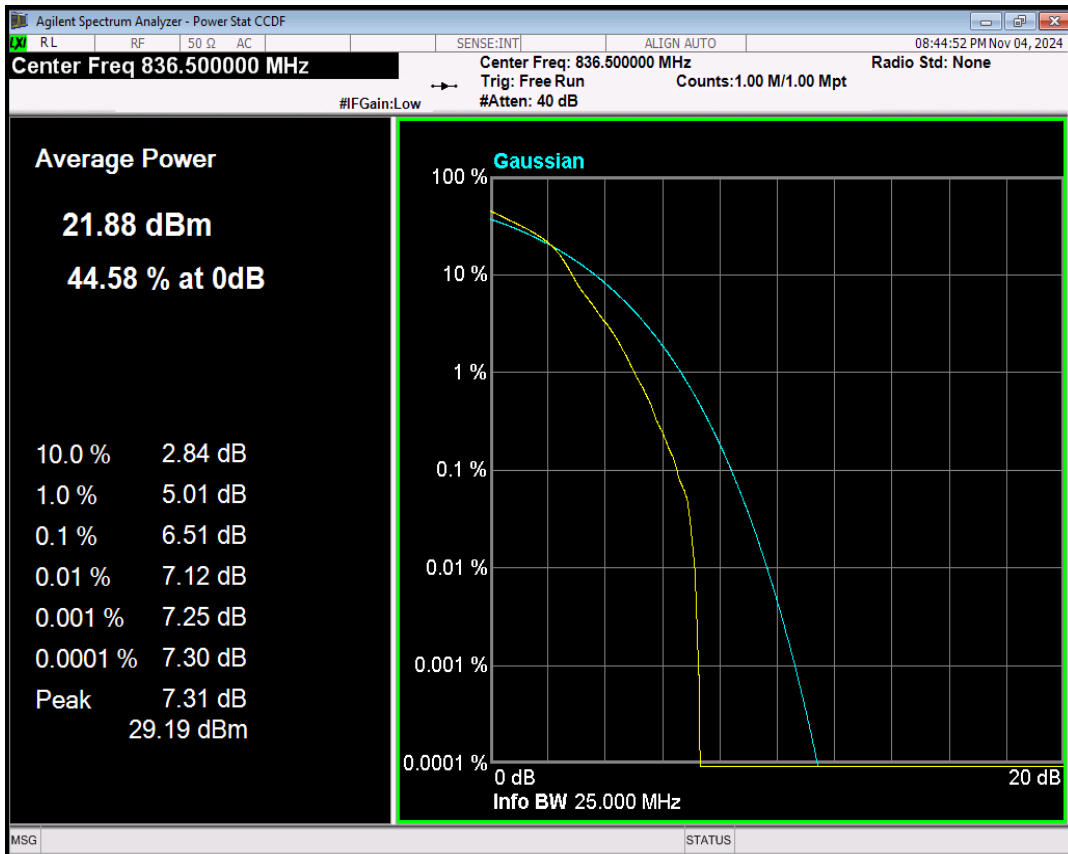
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



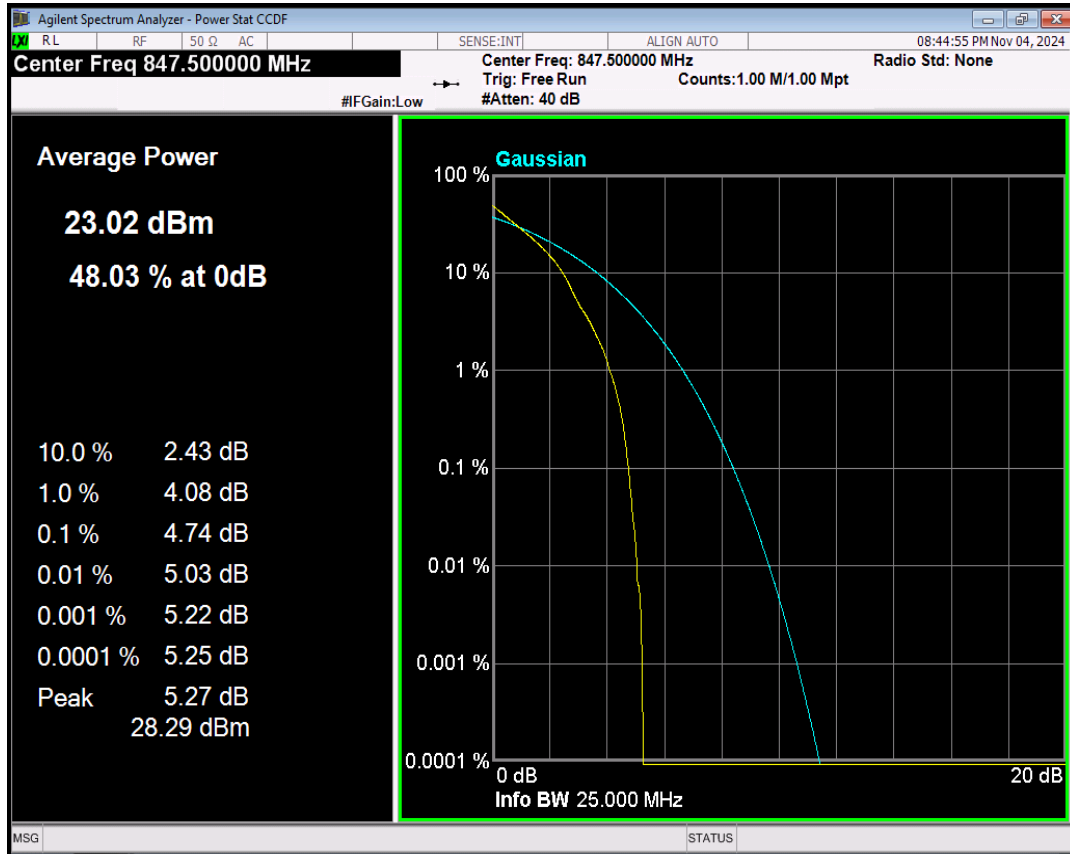
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



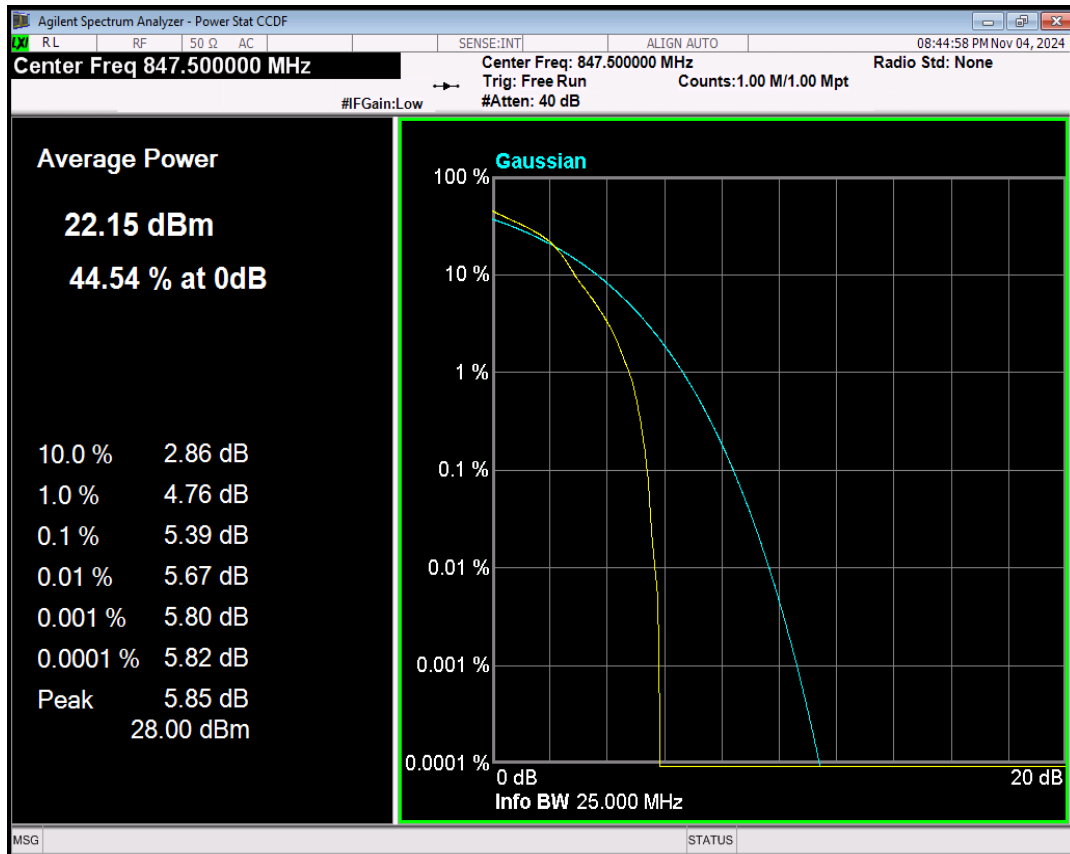
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



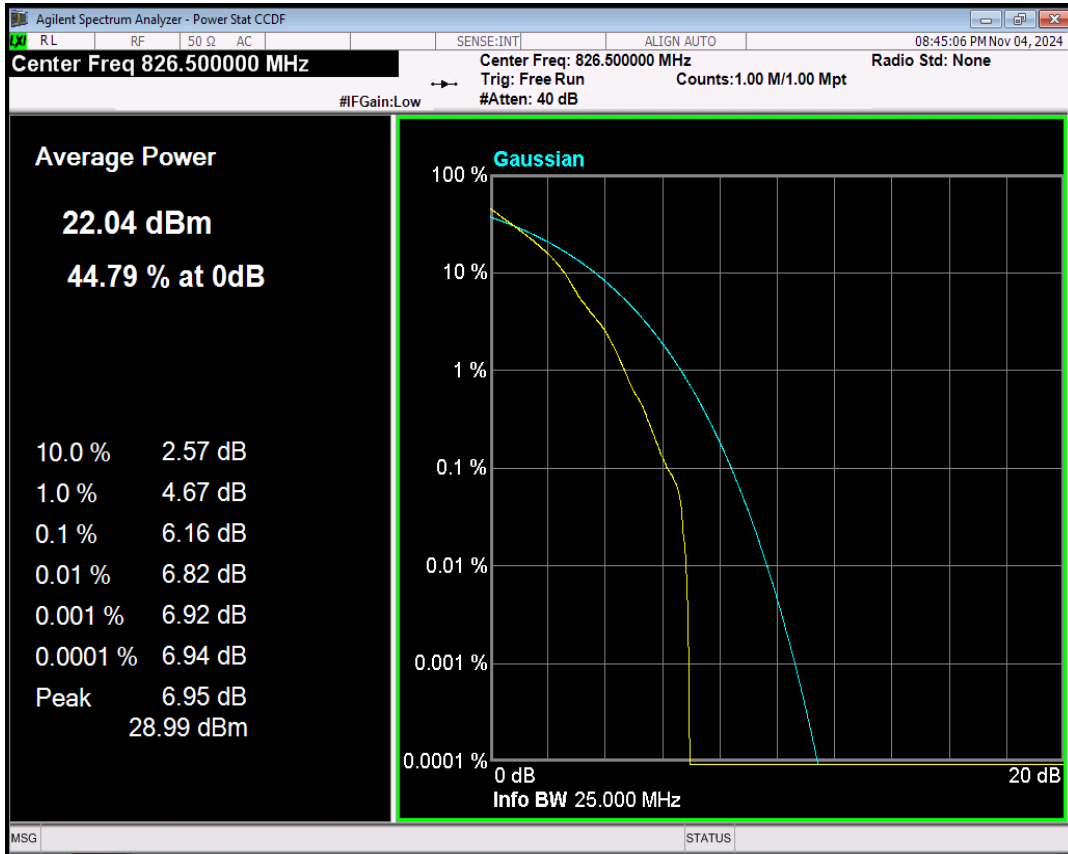
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



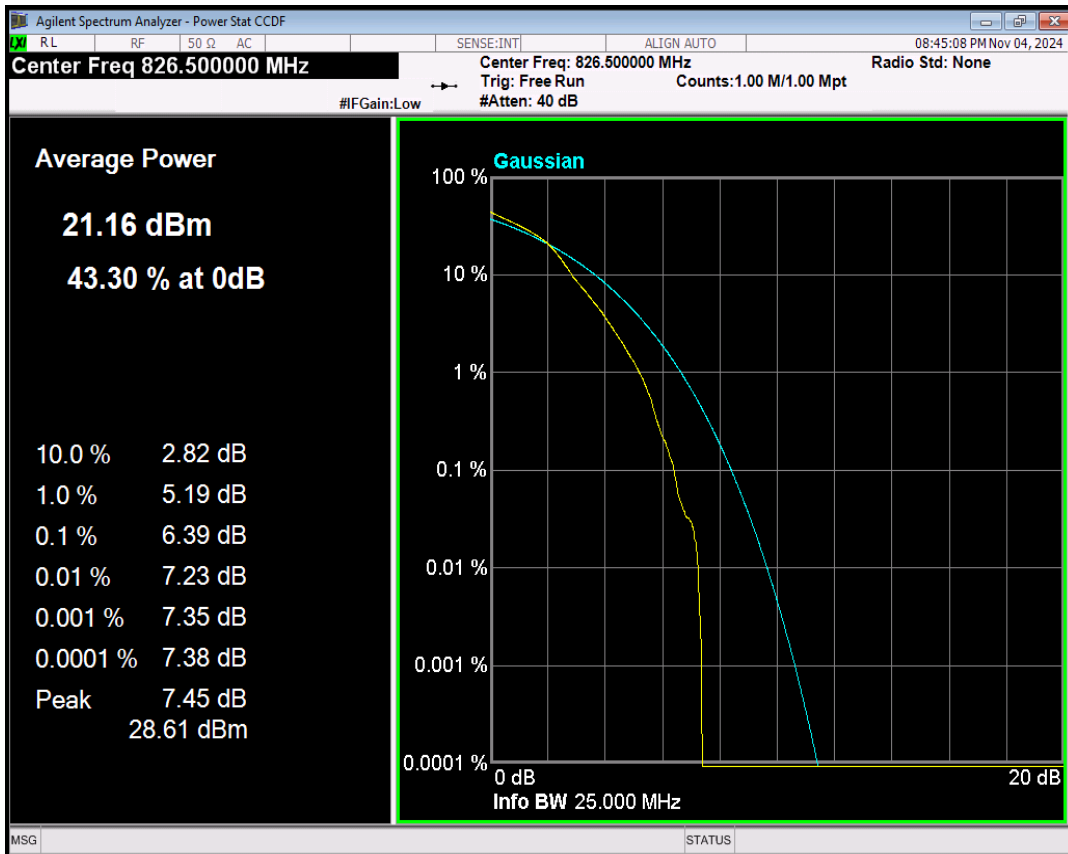
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



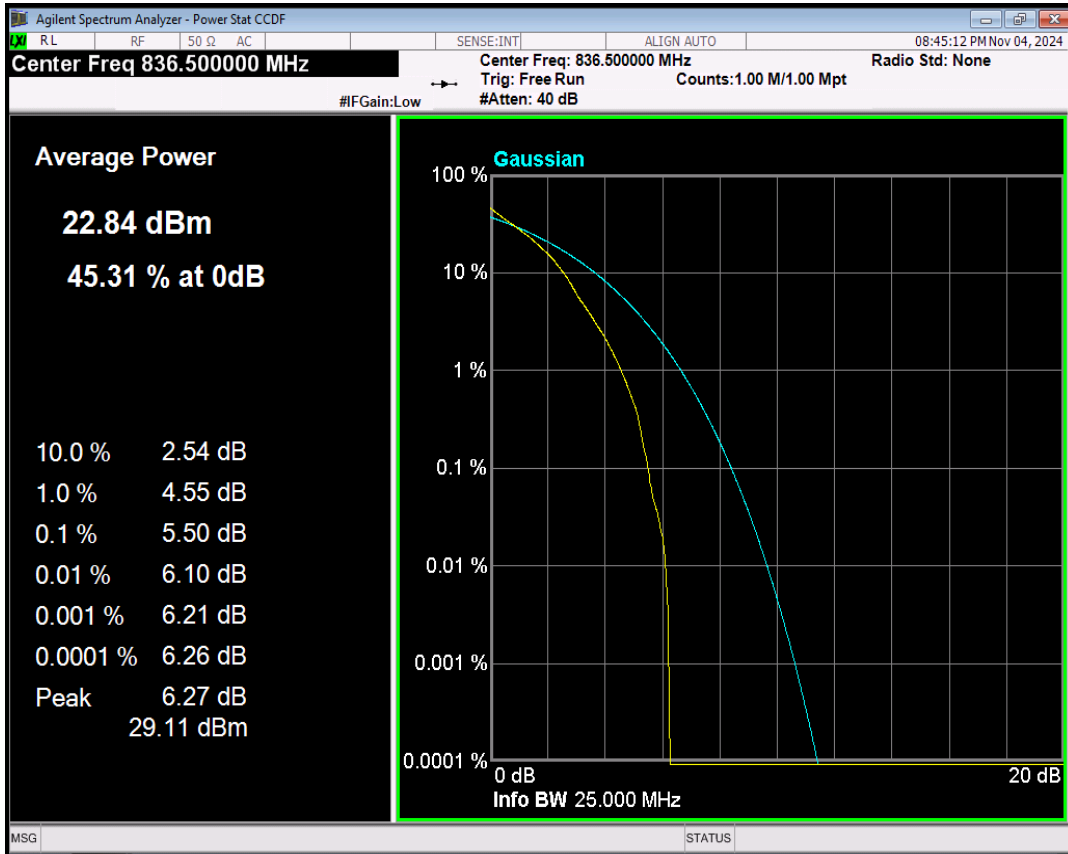
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



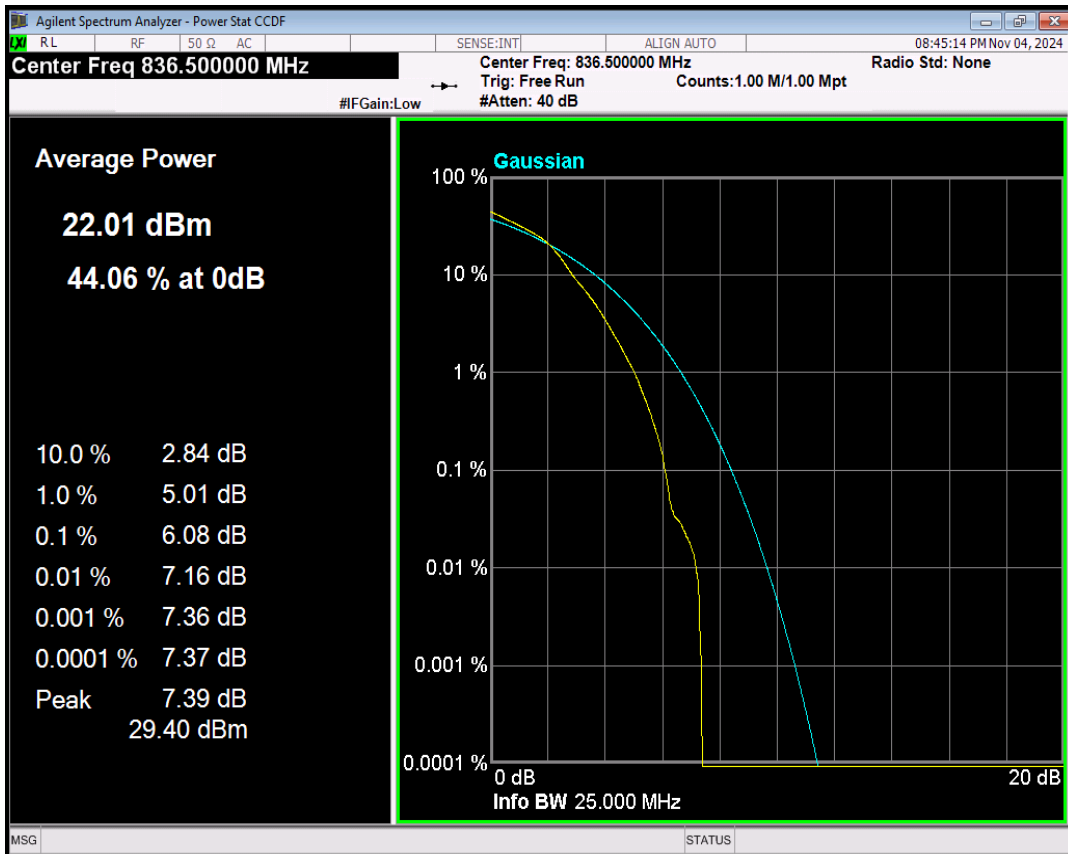
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



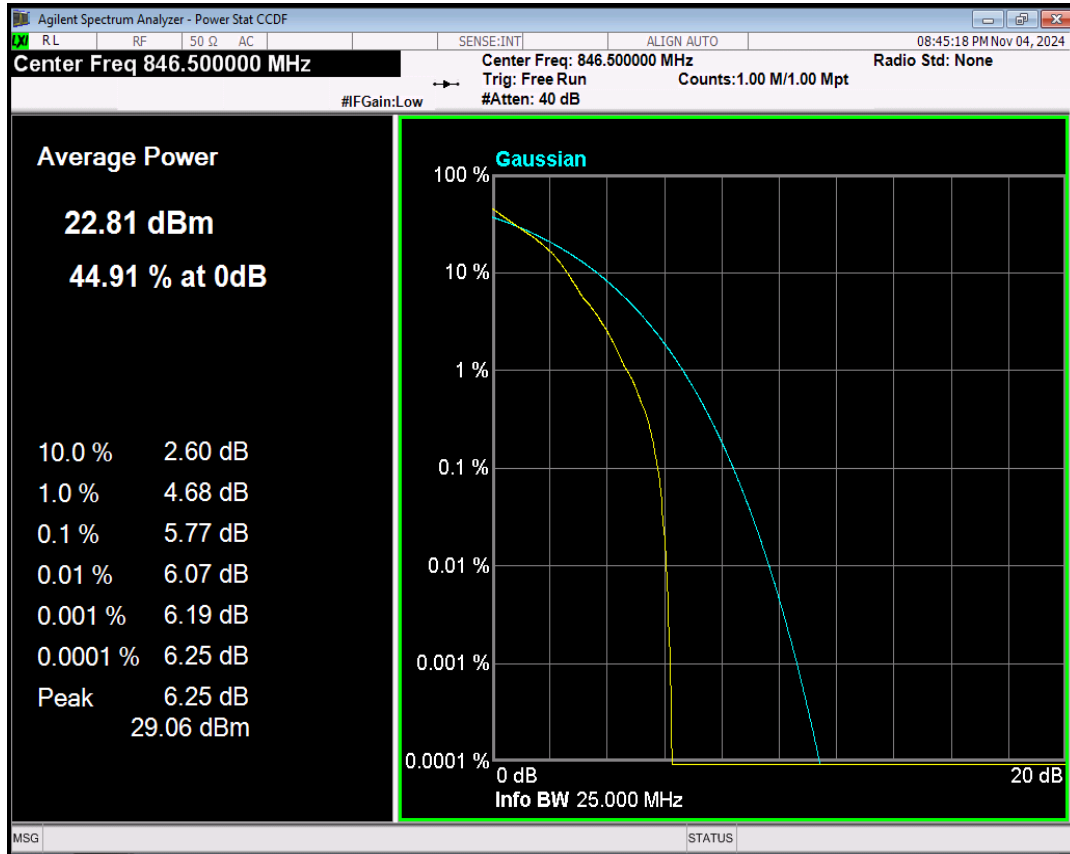
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



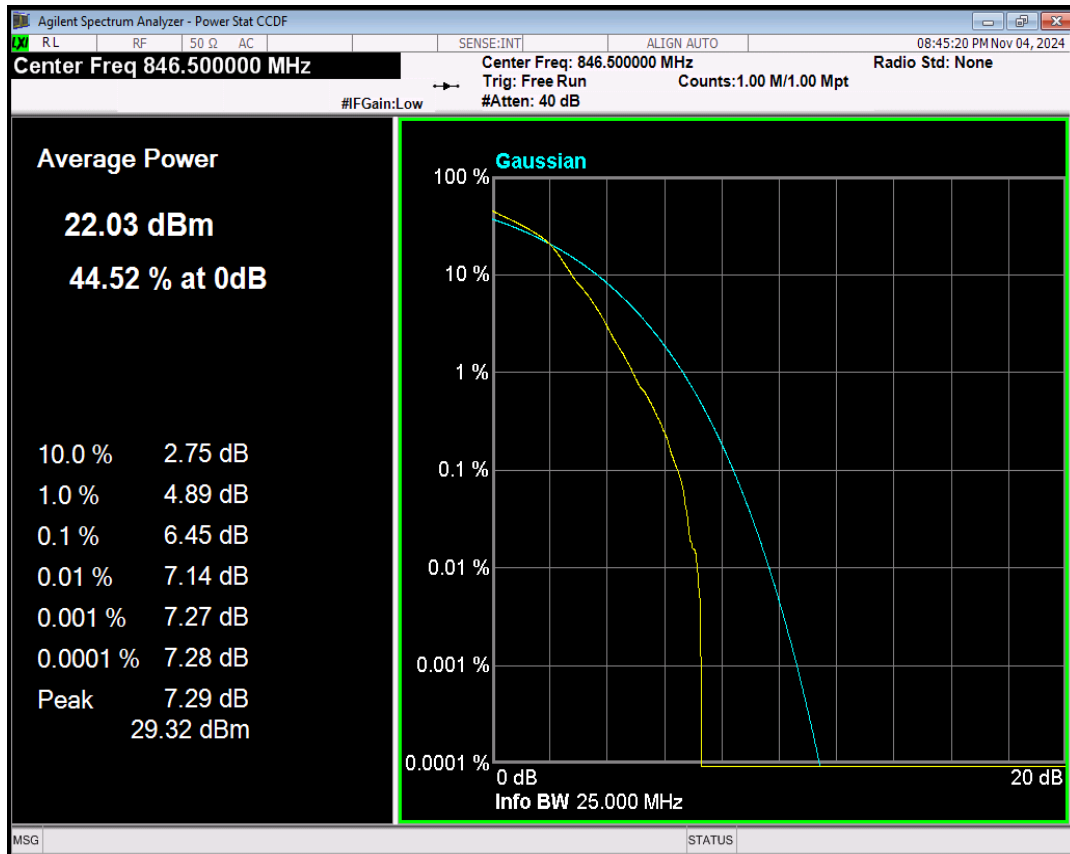
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



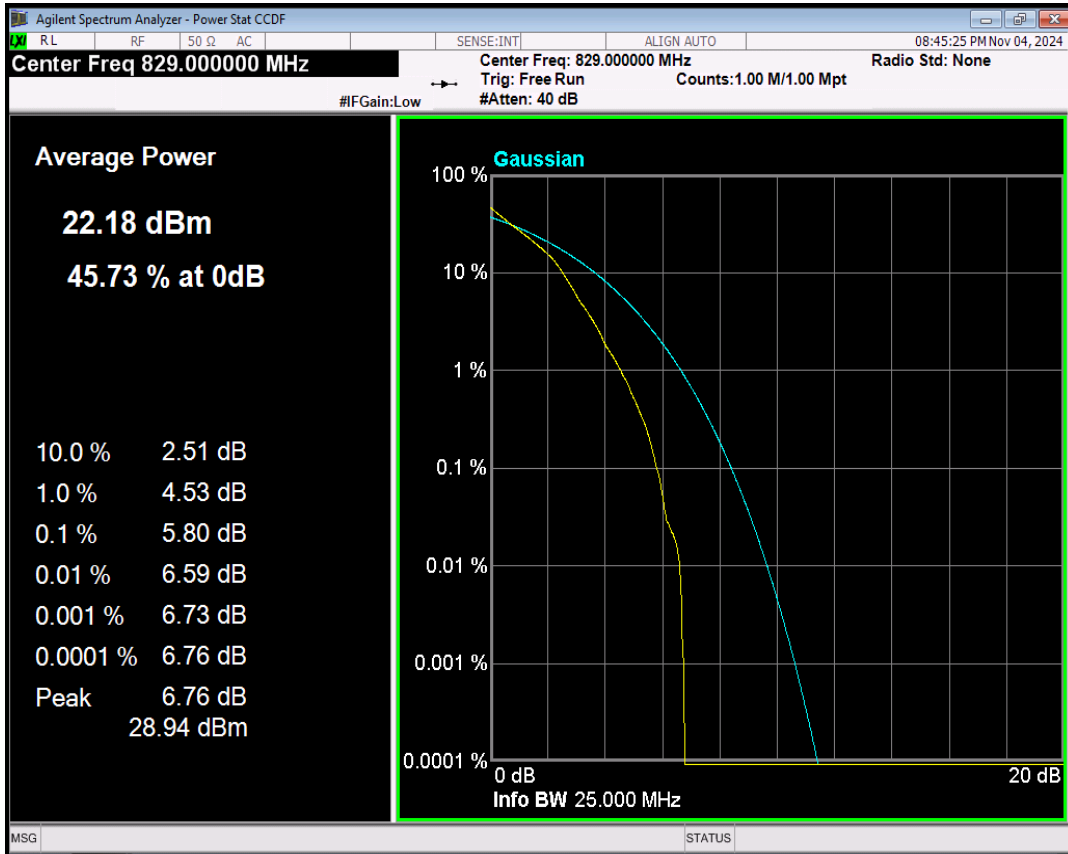
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



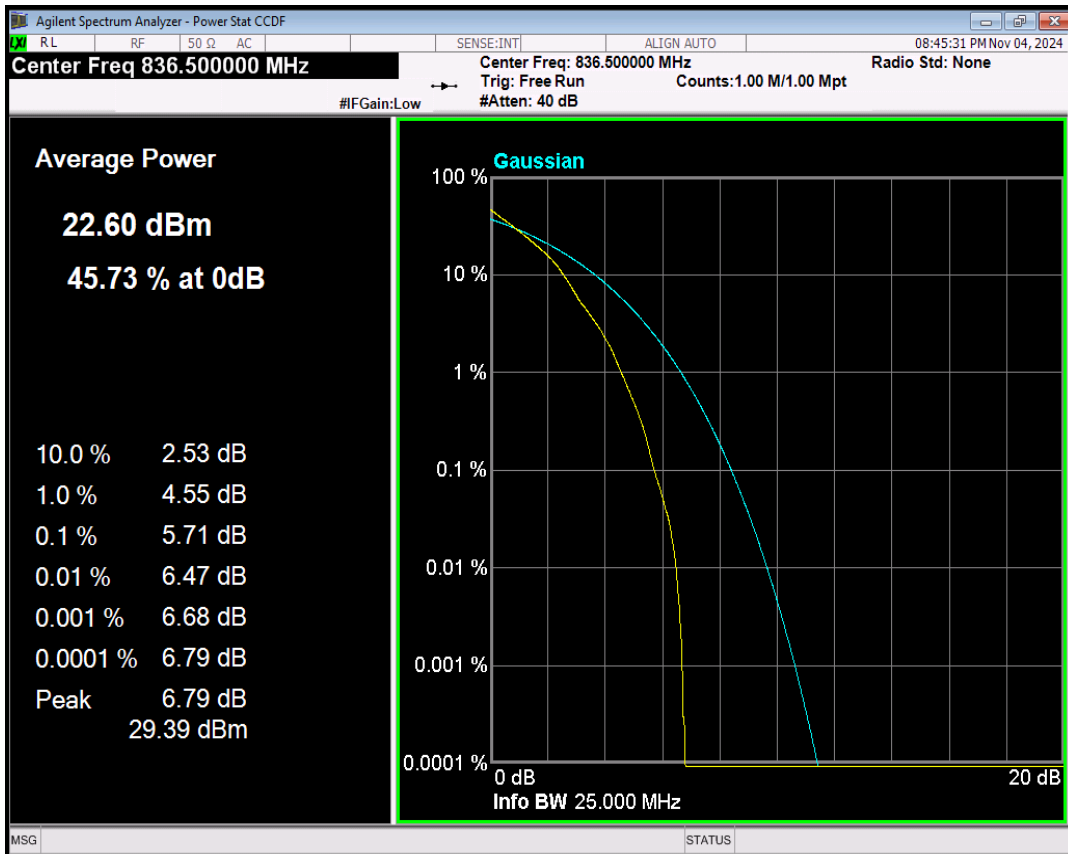
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



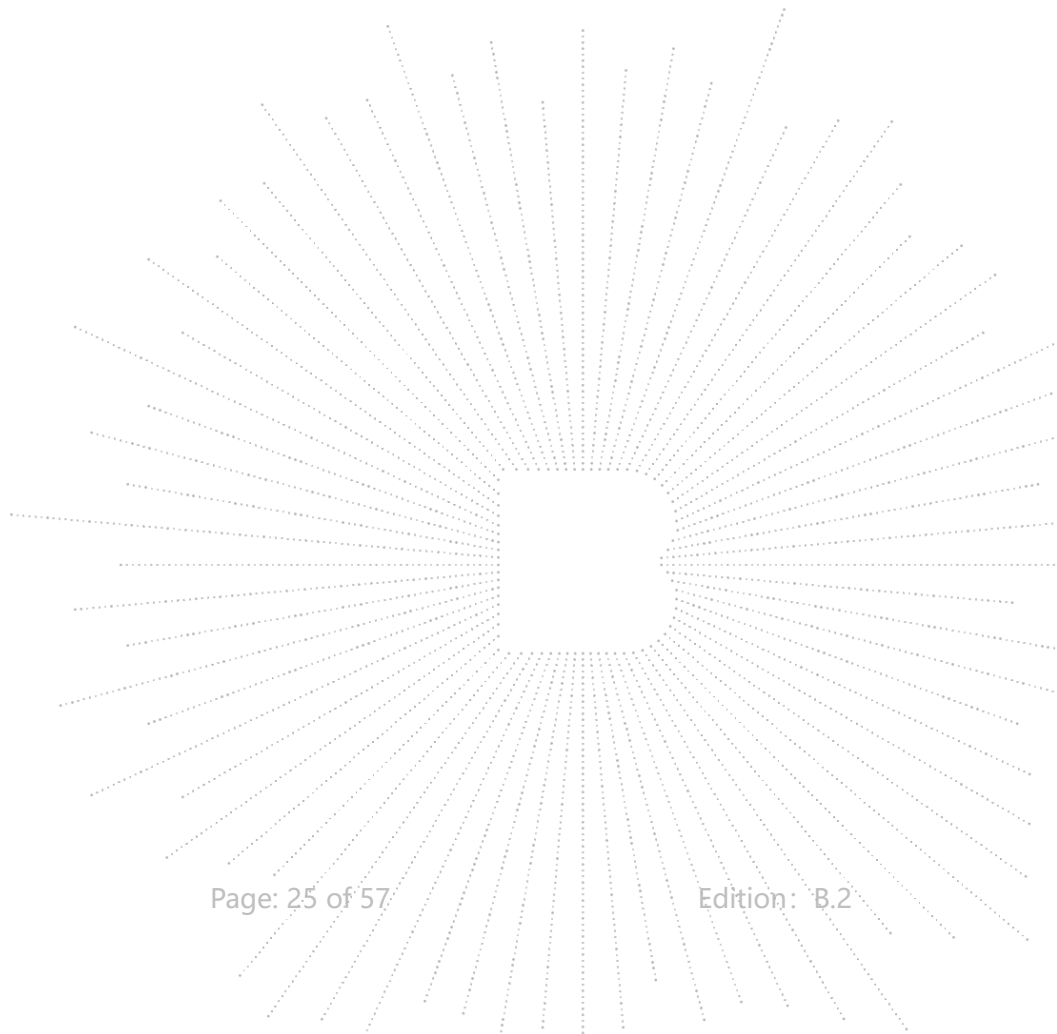
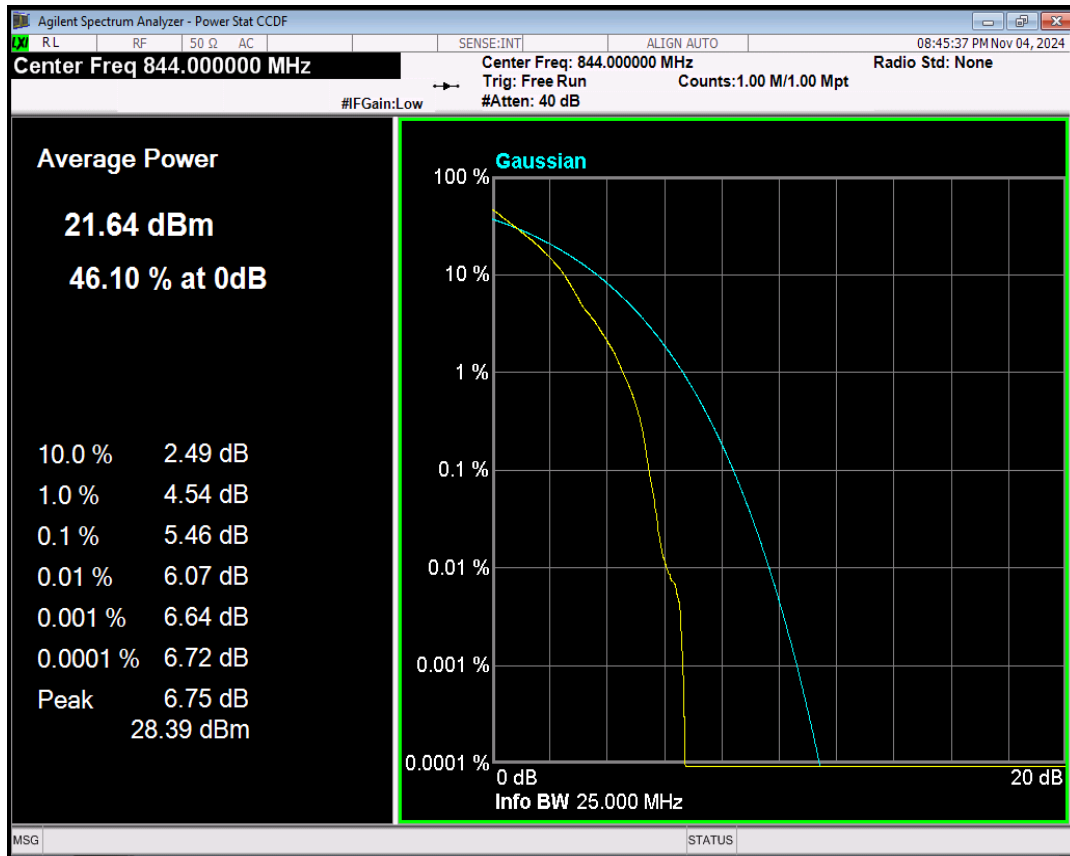
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



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



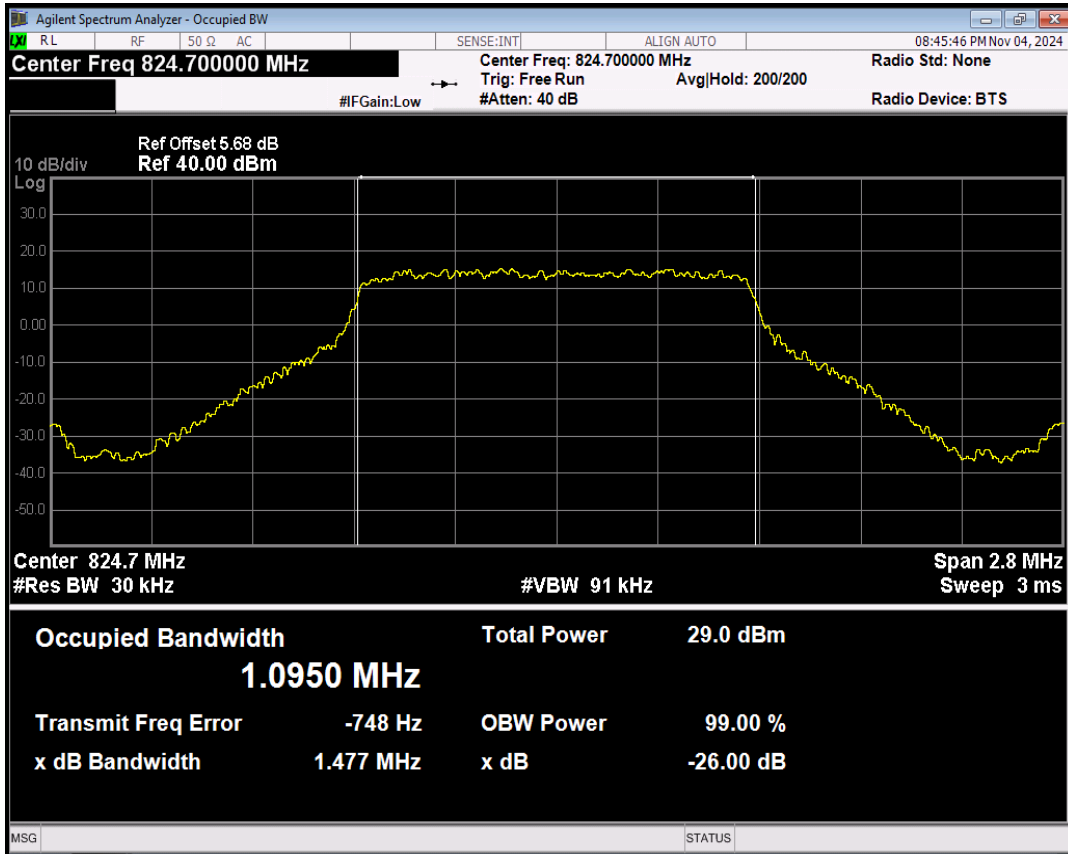
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



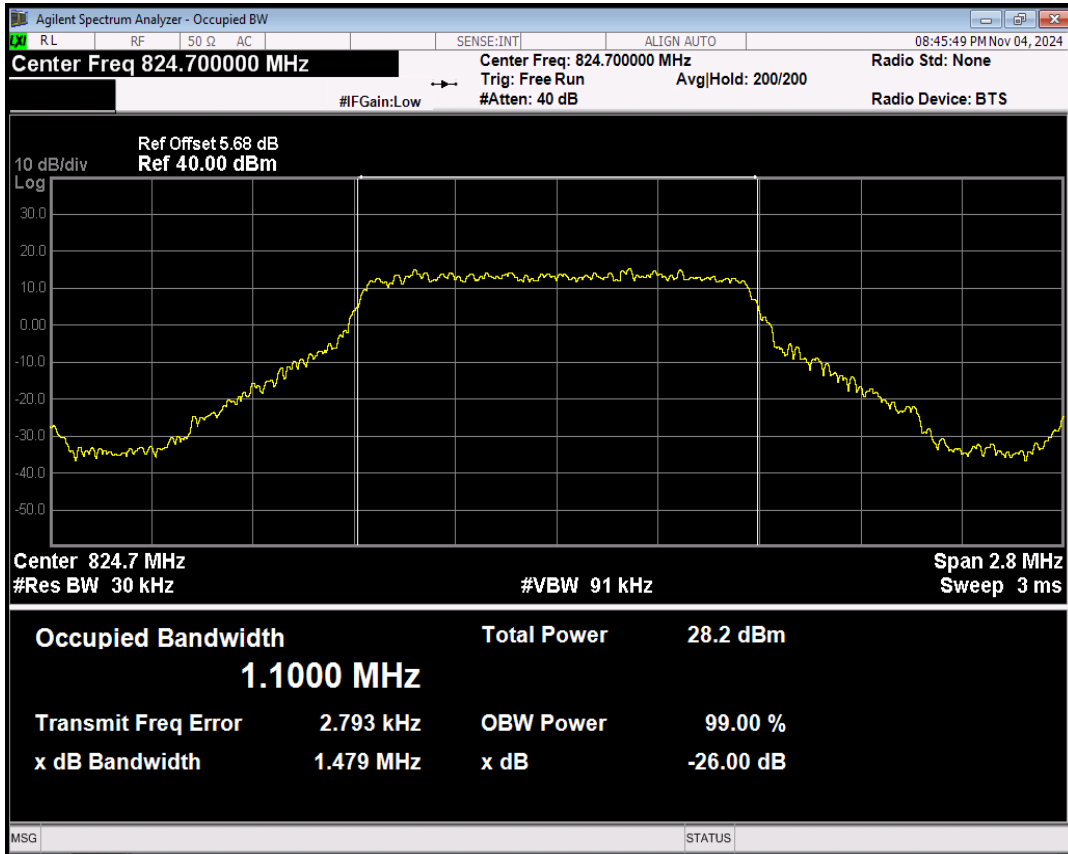
Appendix 4. Occupied bandwidth

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	1.477	PASS
Band5	1.4	20407	6	#0	16QAM	1.100	1.479	PASS
Band5	1.4	20525	6	#0	QPSK	1.093	1.420	PASS
Band5	1.4	20525	6	#0	16QAM	1.090	1.455	PASS
Band5	1.4	20643	6	#0	QPSK	1.092	1.398	PASS
Band5	1.4	20643	6	#0	16QAM	1.102	1.435	PASS
Band5	3	20415	15	#0	QPSK	2.685	3.109	PASS
Band5	3	20415	15	#0	16QAM	2.682	3.116	PASS
Band5	3	20525	15	#0	QPSK	2.680	3.062	PASS
Band5	3	20525	15	#0	16QAM	2.685	3.224	PASS
Band5	3	20635	15	#0	QPSK	2.684	3.092	PASS
Band5	3	20635	15	#0	16QAM	2.680	3.230	PASS
Band5	5	20425	25	#0	QPSK	4.485	5.009	PASS
Band5	5	20425	25	#0	16QAM	4.489	5.039	PASS
Band5	5	20525	25	#0	QPSK	4.483	5.073	PASS
Band5	5	20525	25	#0	16QAM	4.493	4.980	PASS
Band5	5	20625	25	#0	QPSK	4.477	4.987	PASS
Band5	5	20625	25	#0	16QAM	4.485	5.006	PASS
Band5	10	20450	50	#0	QPSK	8.947	9.637	PASS
Band5	10	20525	50	#0	QPSK	8.895	9.620	PASS
Band5	10	20600	50	#0	QPSK	8.901	9.637	PASS

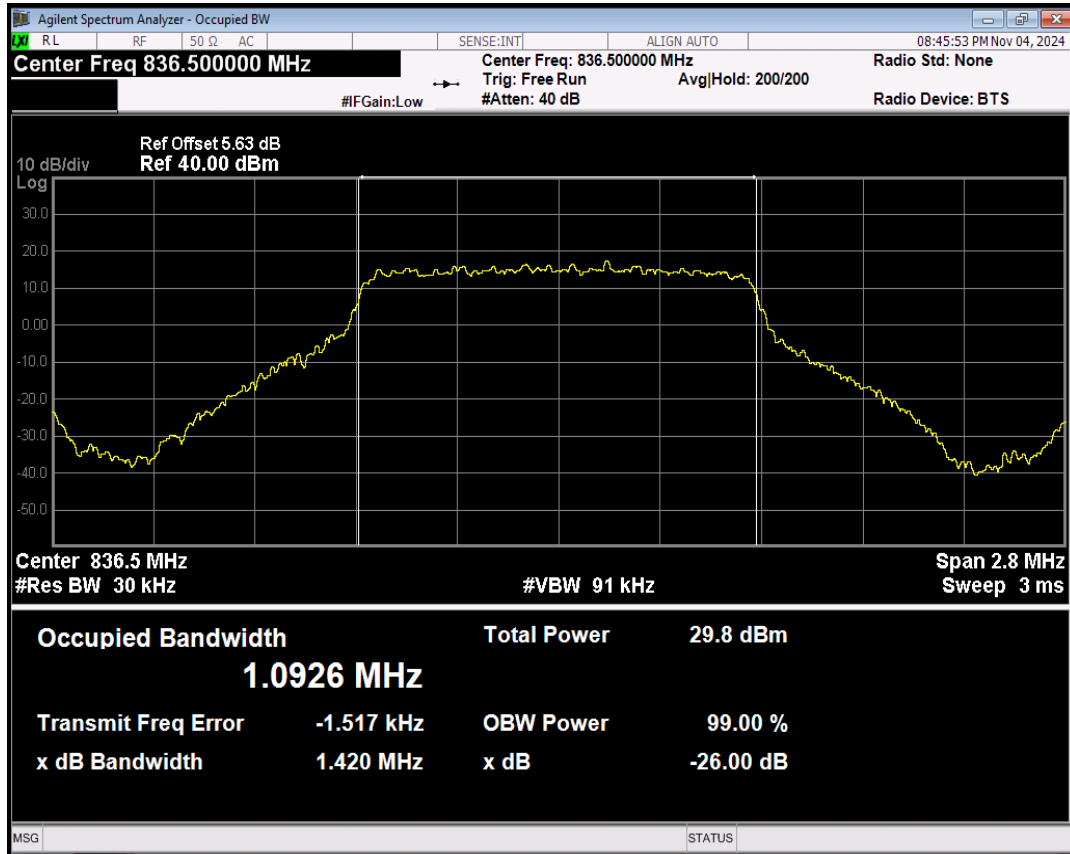
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



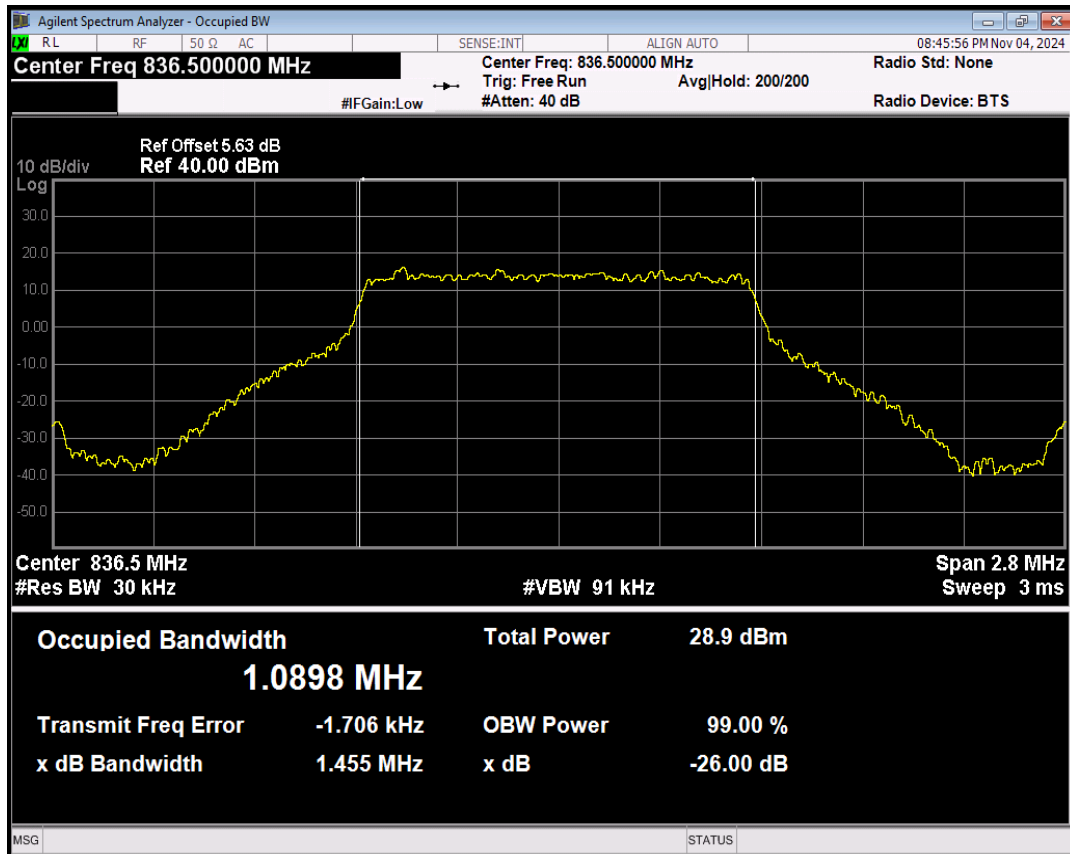
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



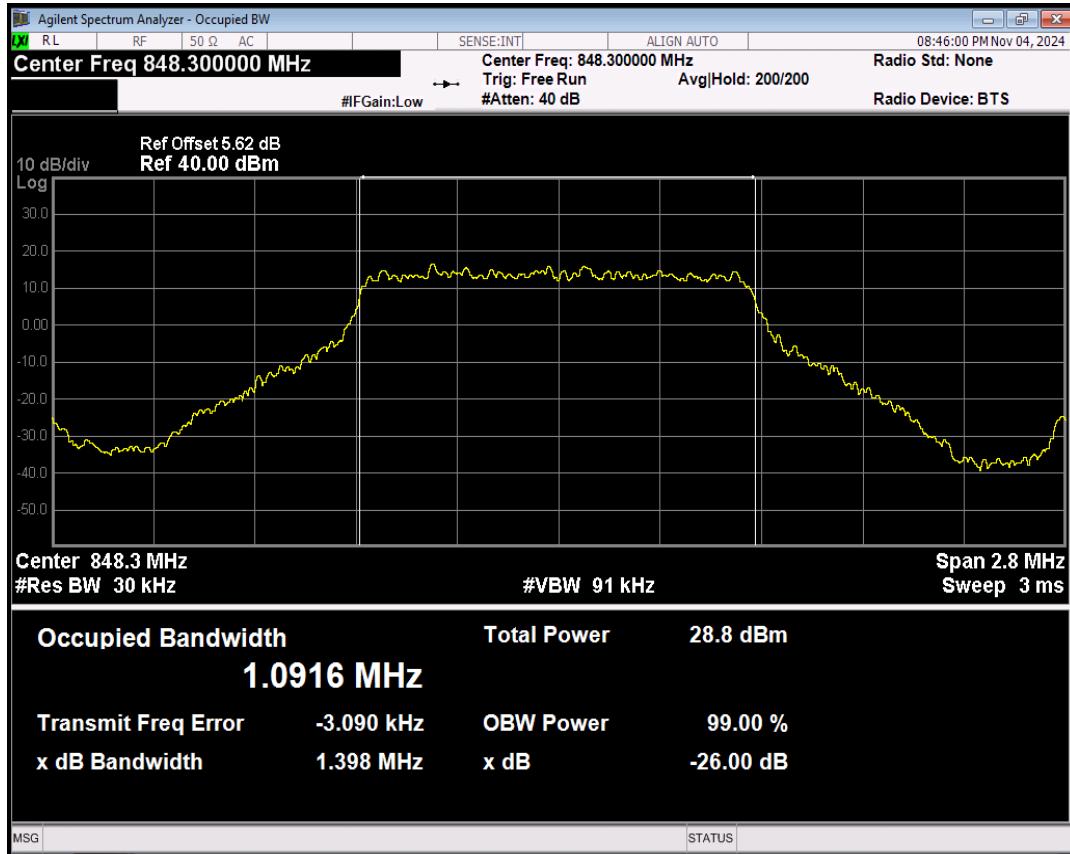
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



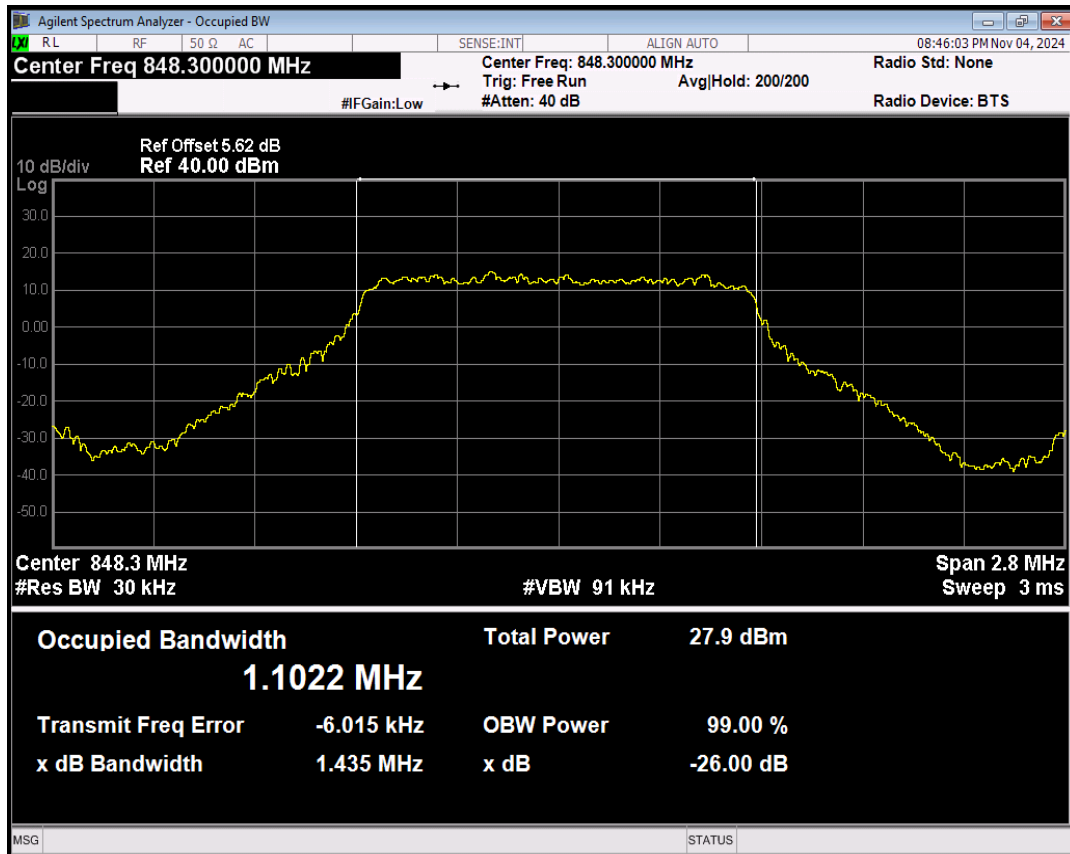
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



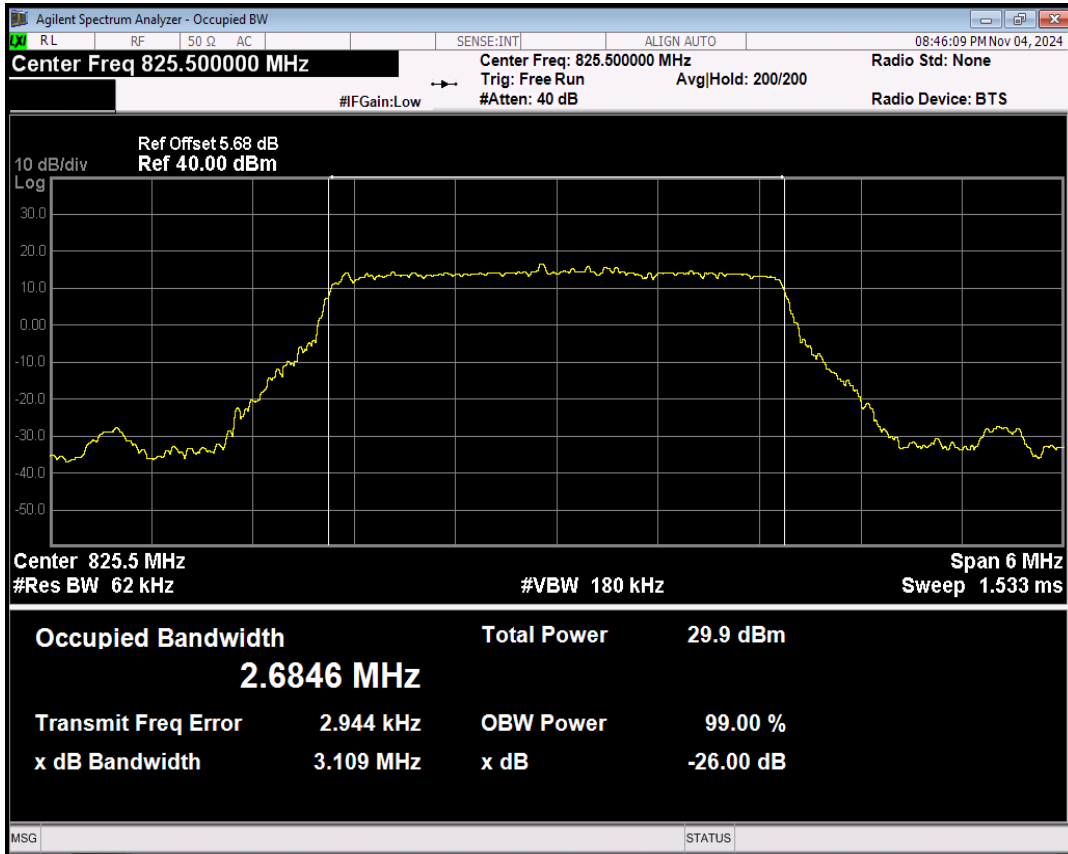
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



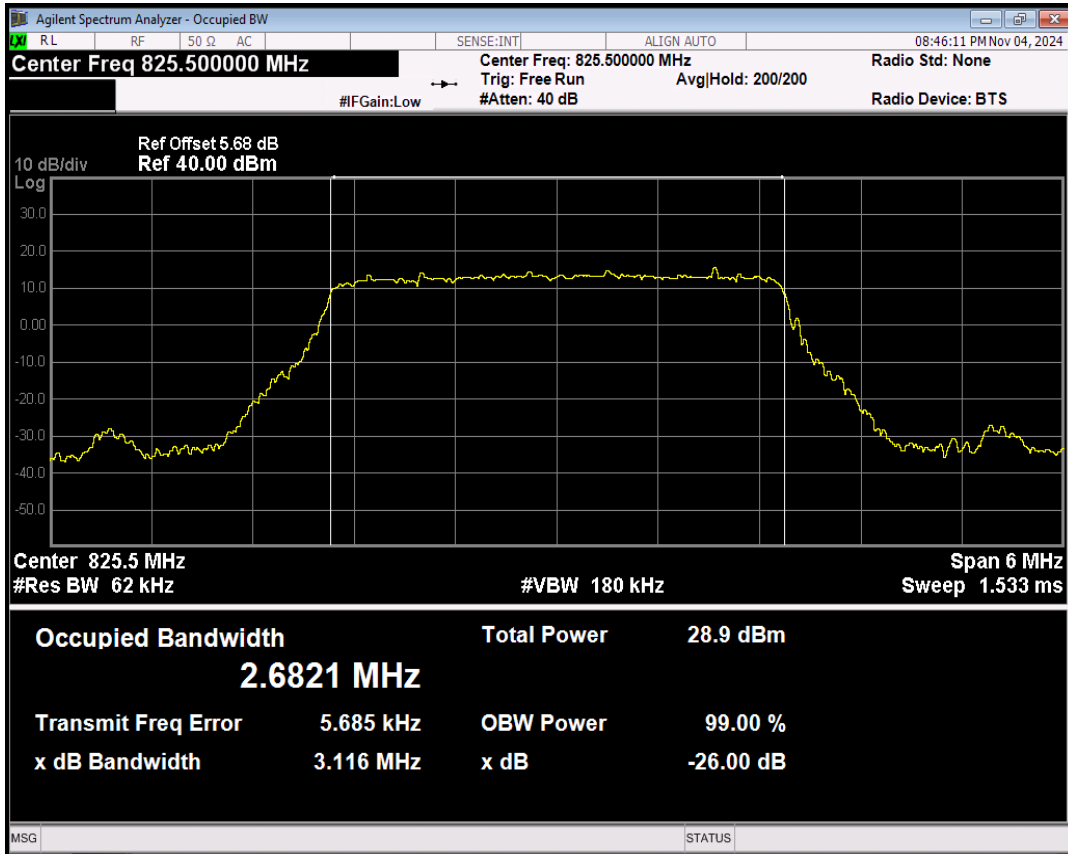
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



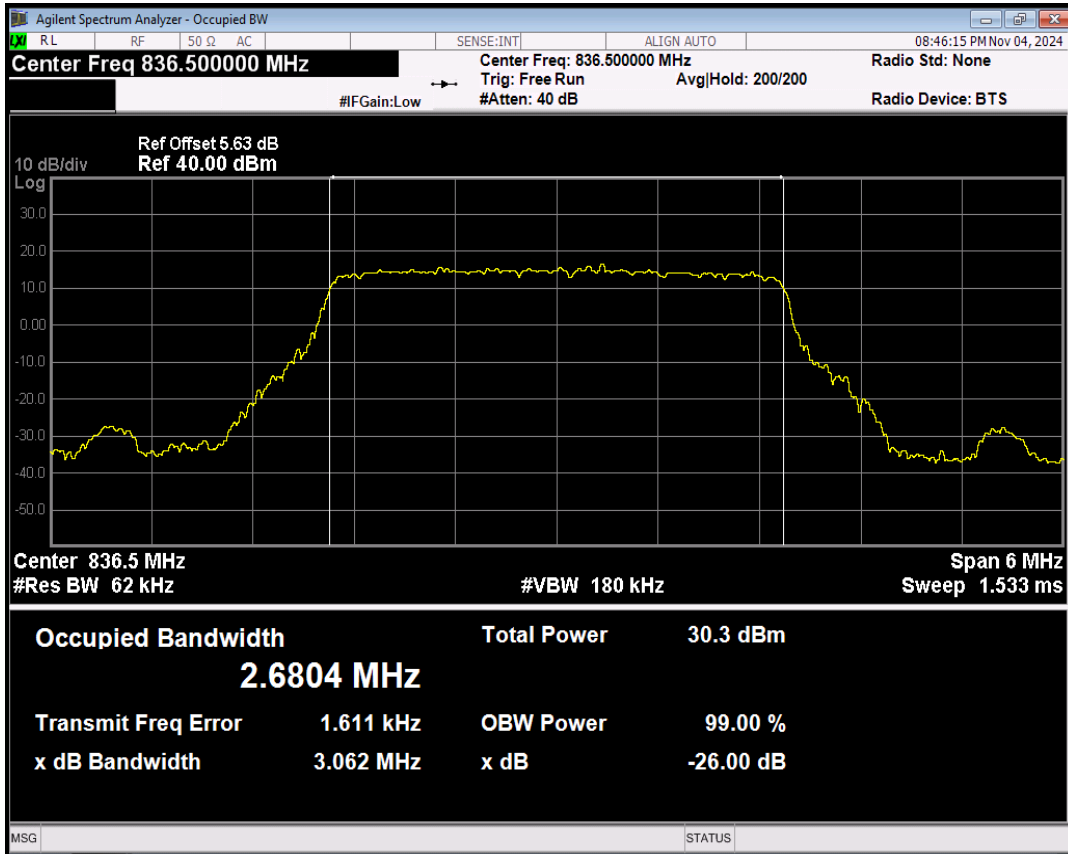
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



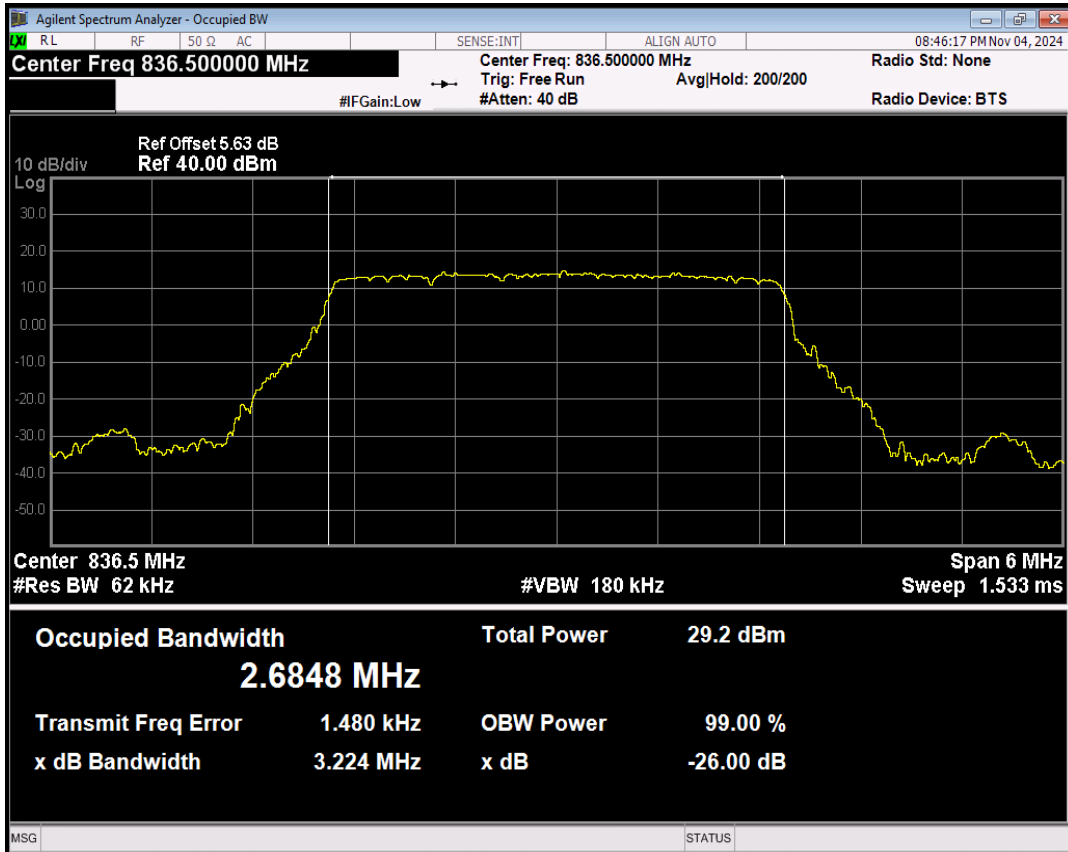
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



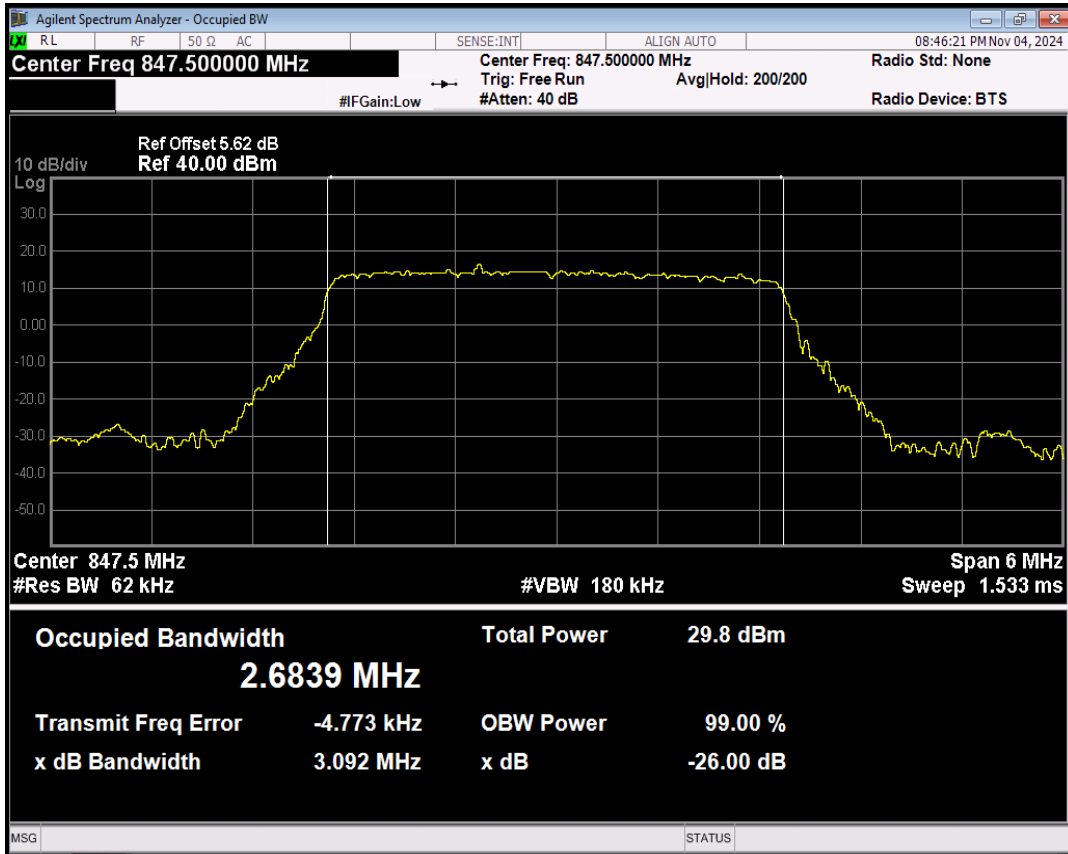
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



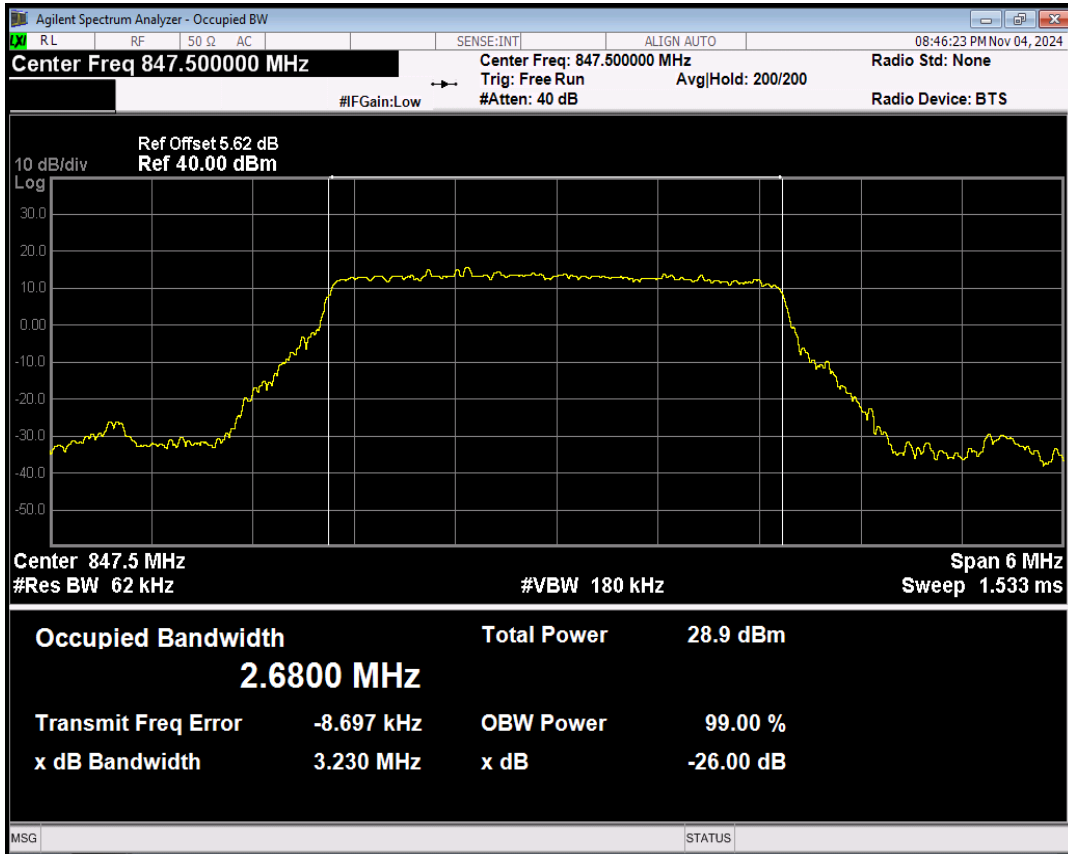
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



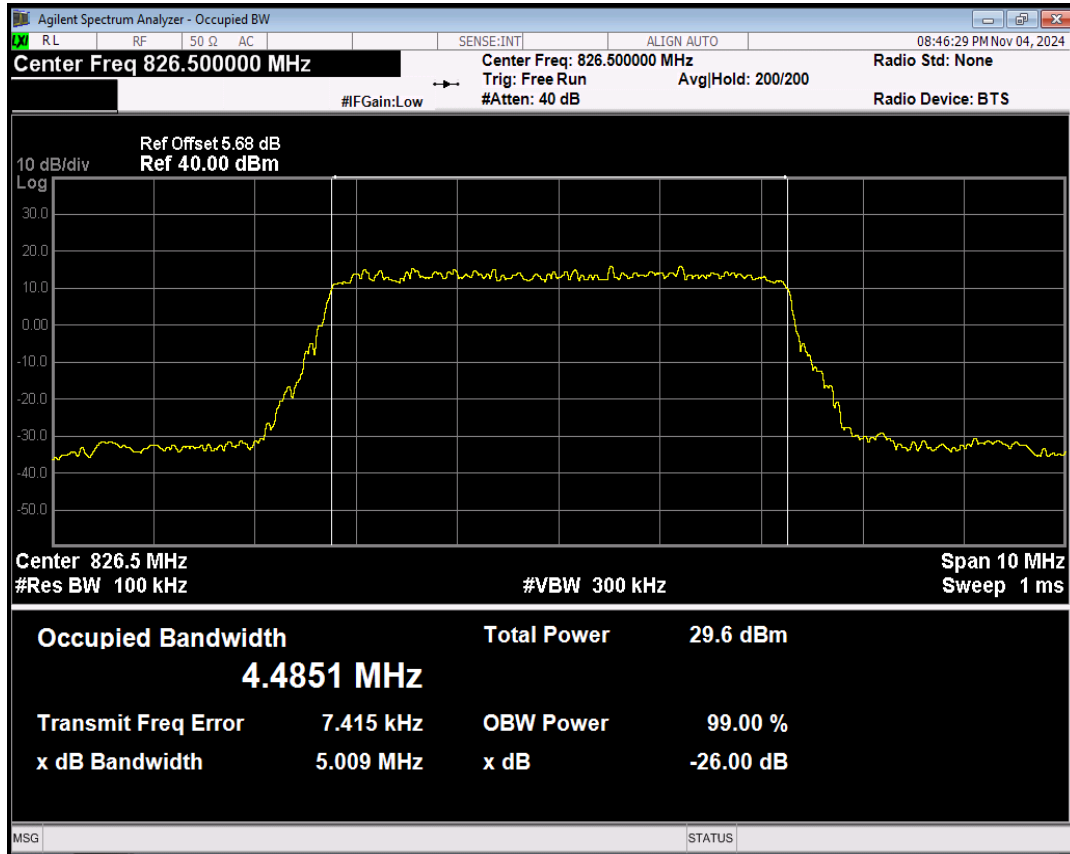
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



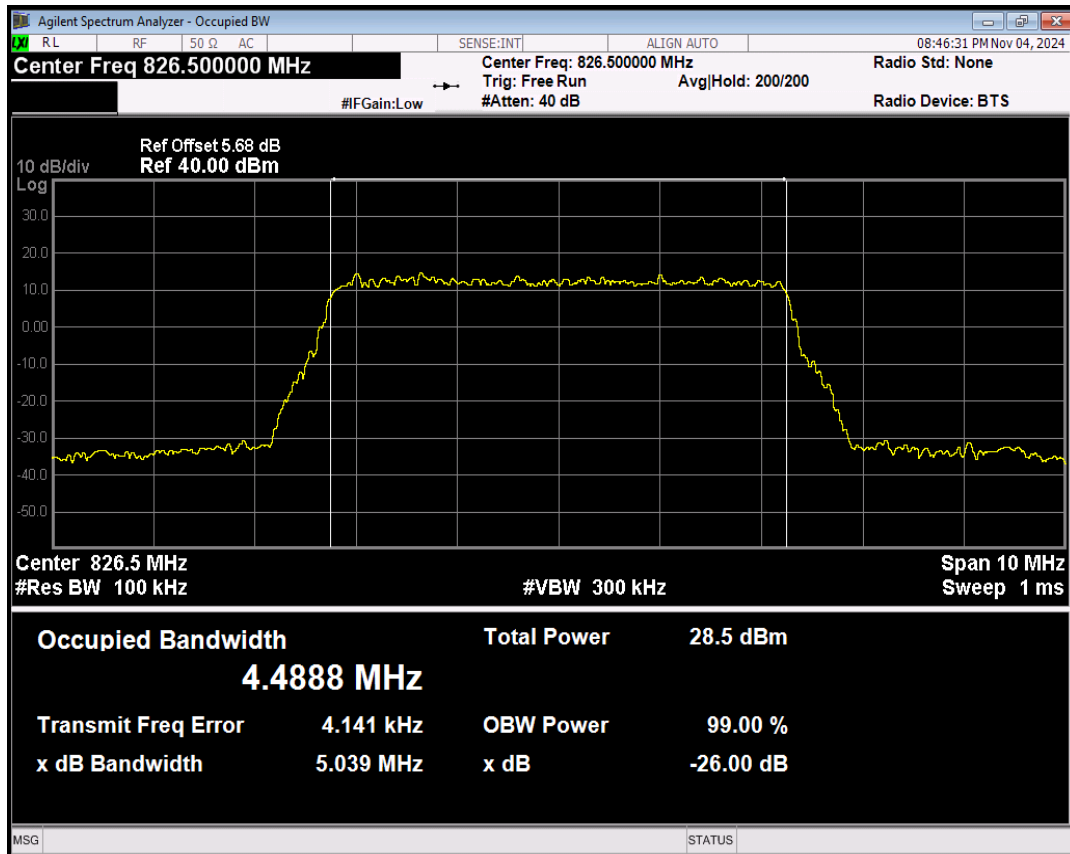
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



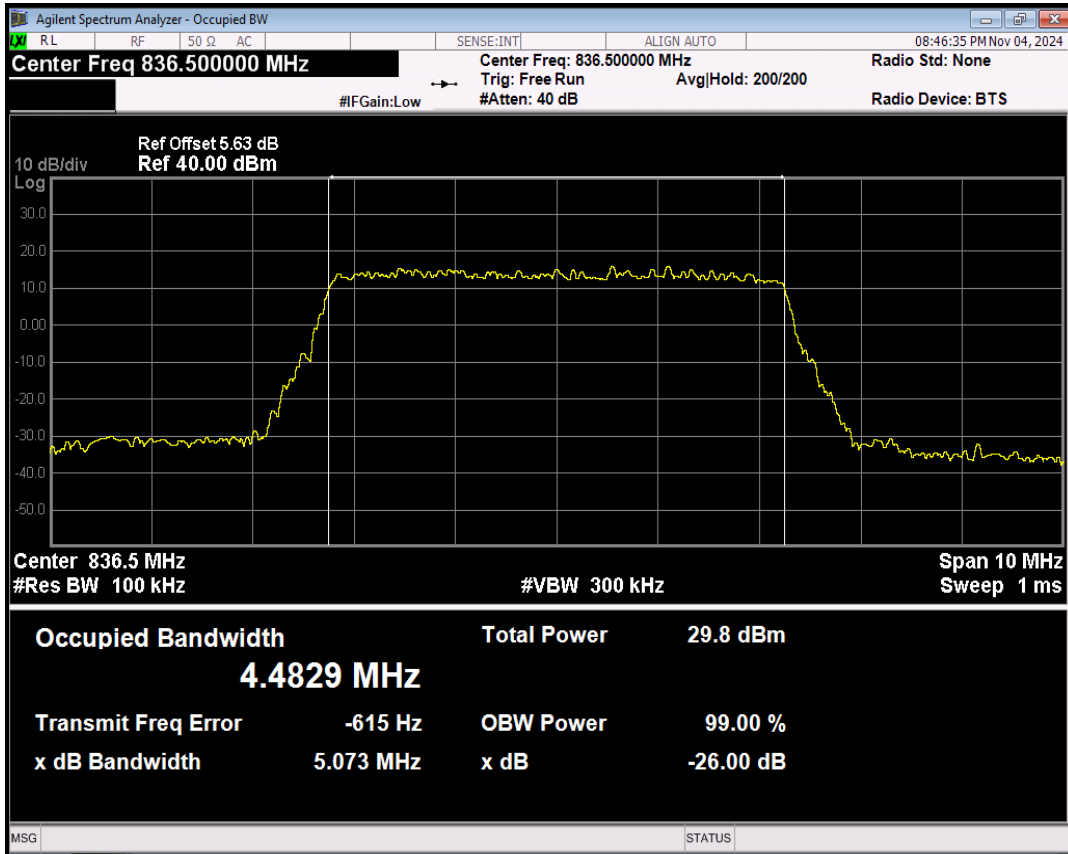
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



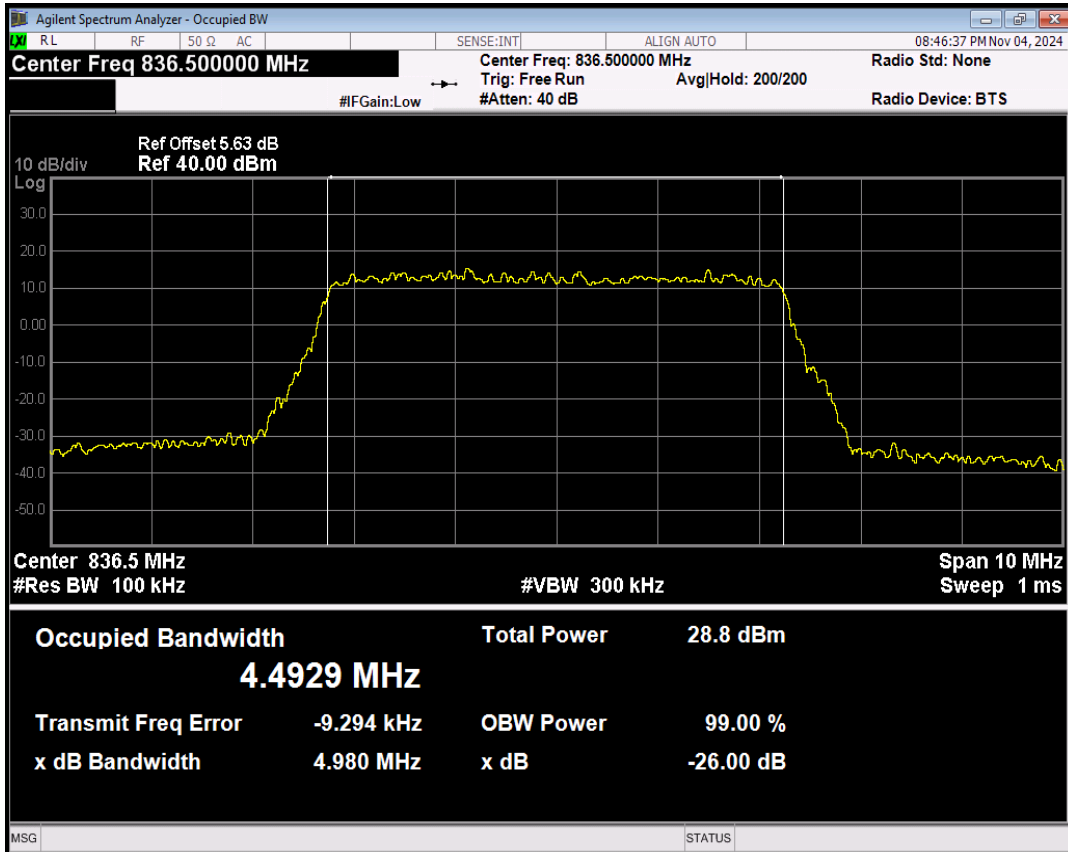
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



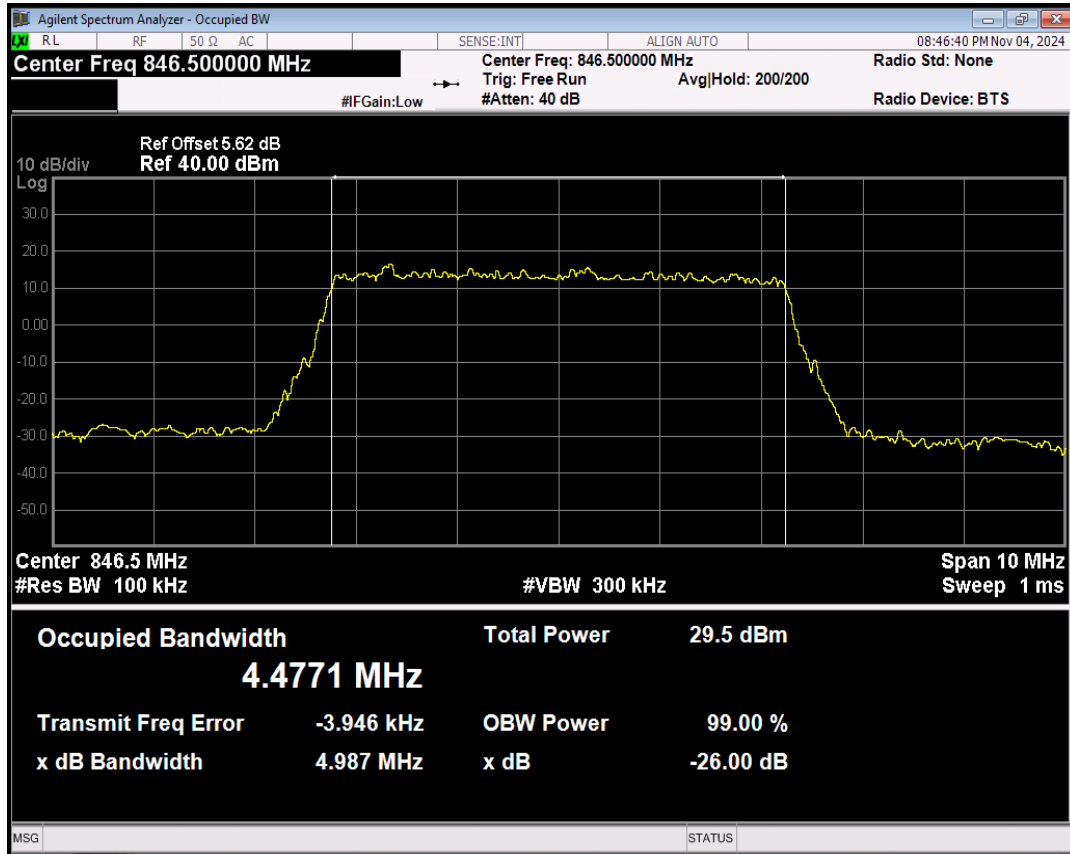
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



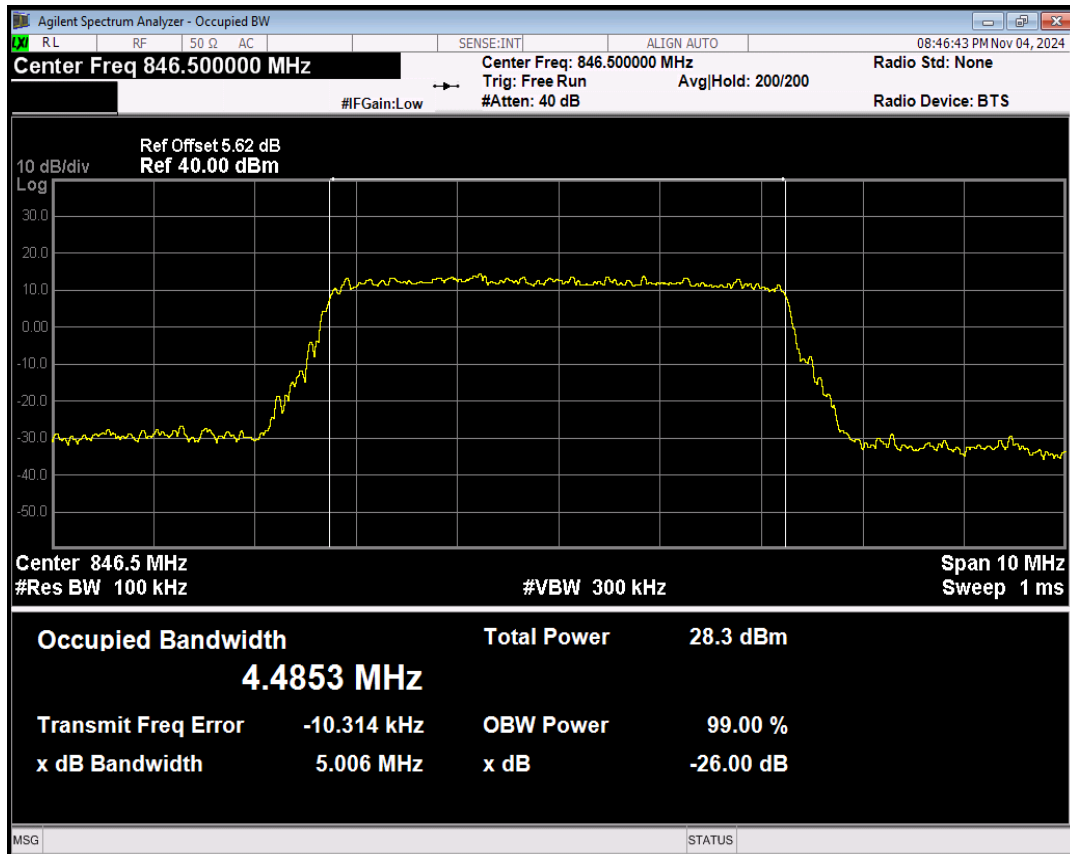
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



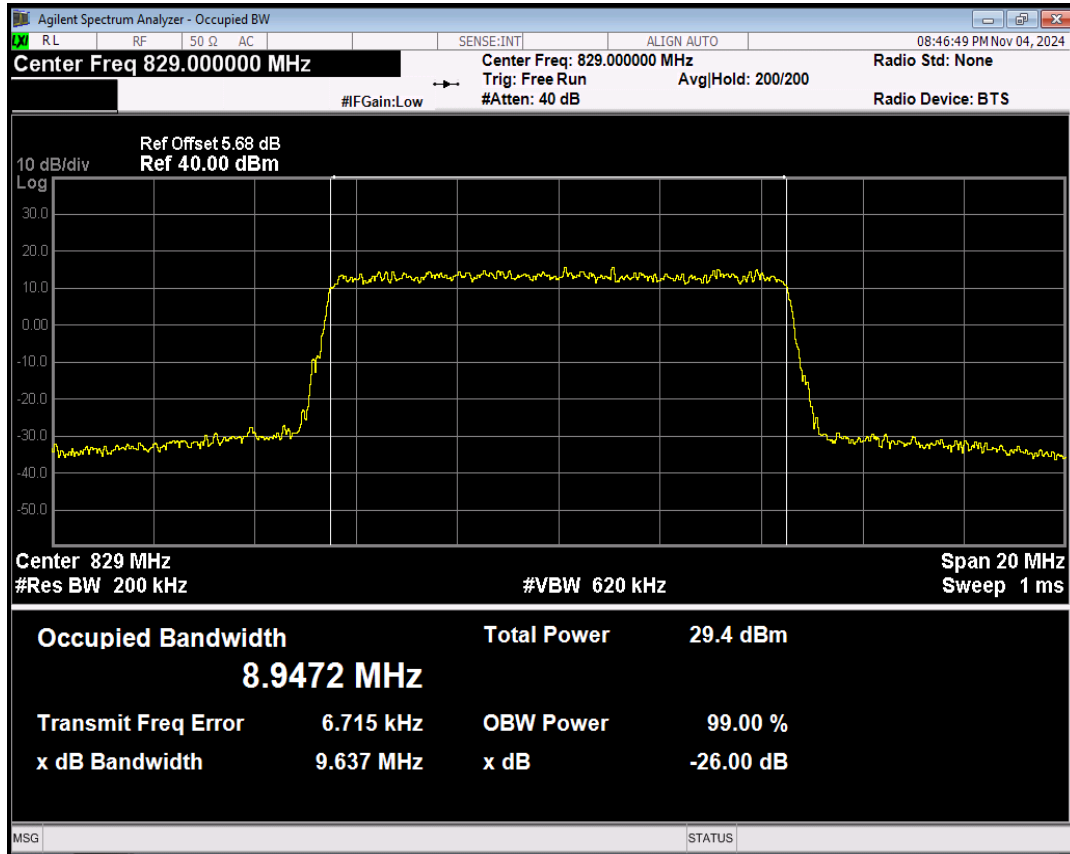
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



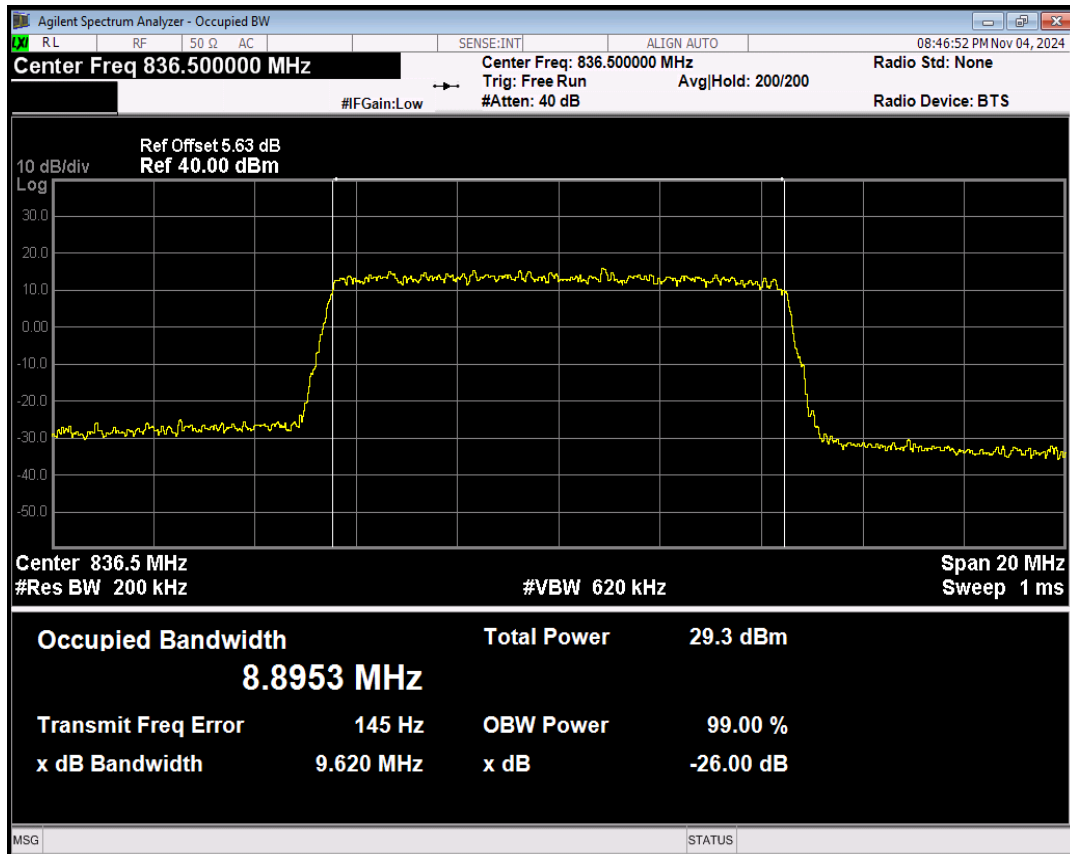
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



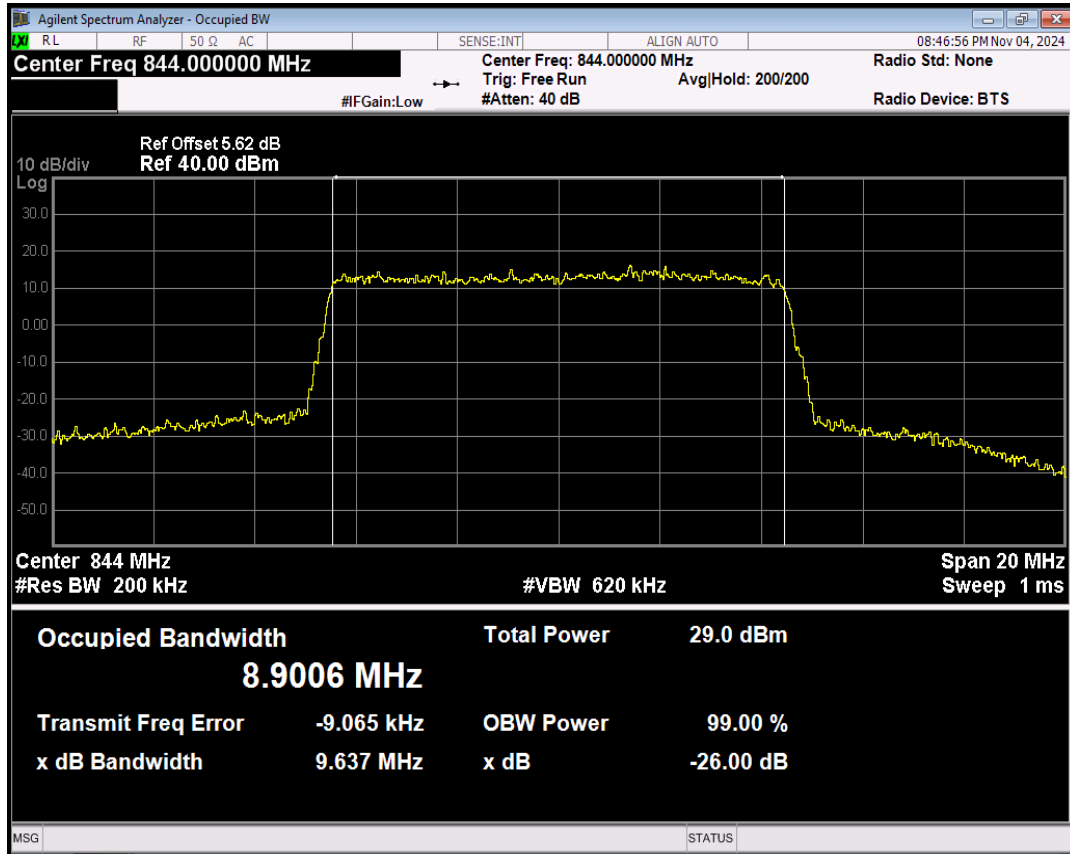
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



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



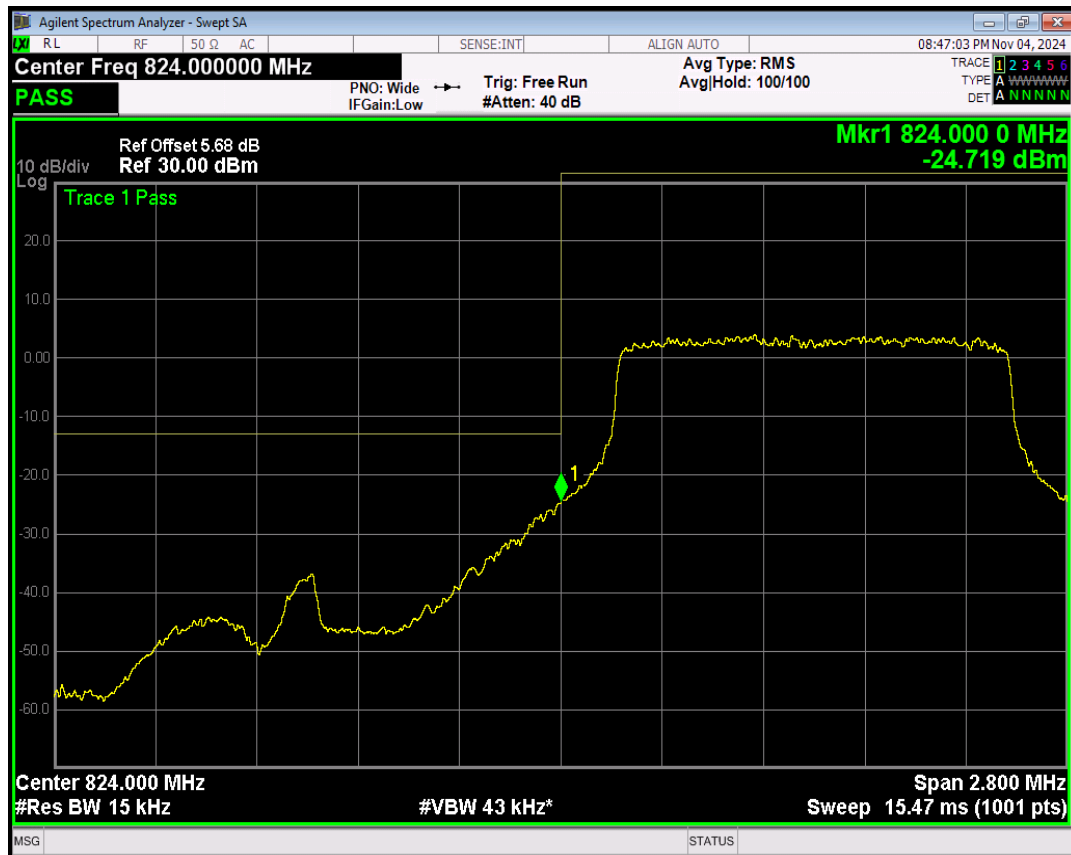
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



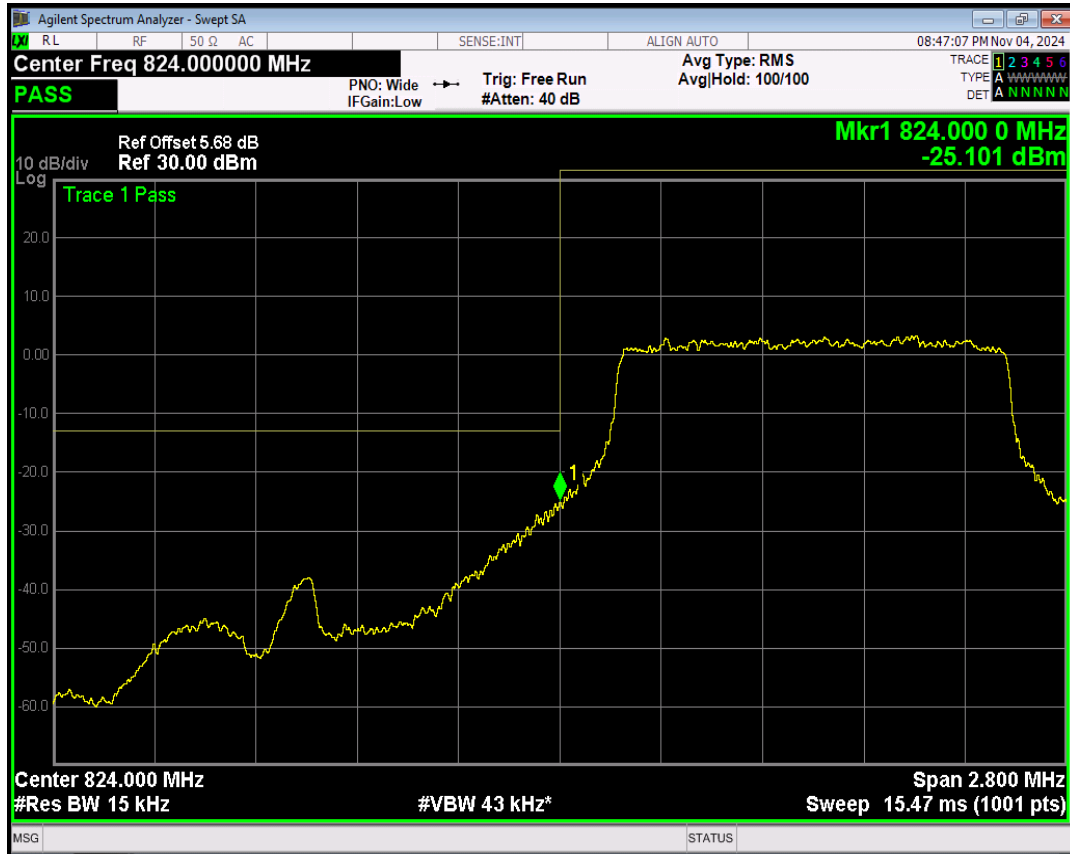
Appendix 5. Band edge

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	-24.71	-13	PASS
Band5	1.4	20407	6	#0	16QAM	824.00	-25.10	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.01	-25.15	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-25.83	-13	PASS
Band5	3	20415	15	#0	QPSK	823.99	-24.40	-13	PASS
Band5	3	20415	15	#0	16QAM	823.99	-25.35	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-25.82	-13	PASS
Band5	3	20635	15	#0	16QAM	849.03	-26.32	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-28.34	-13	PASS
Band5	5	20425	25	#0	16QAM	823.98	-30.03	-13	PASS
Band5	5	20625	25	#0	QPSK	849.03	-30.27	-13	PASS
Band5	5	20625	25	#0	16QAM	849.05	-30.23	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-38.75	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-37.22	-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



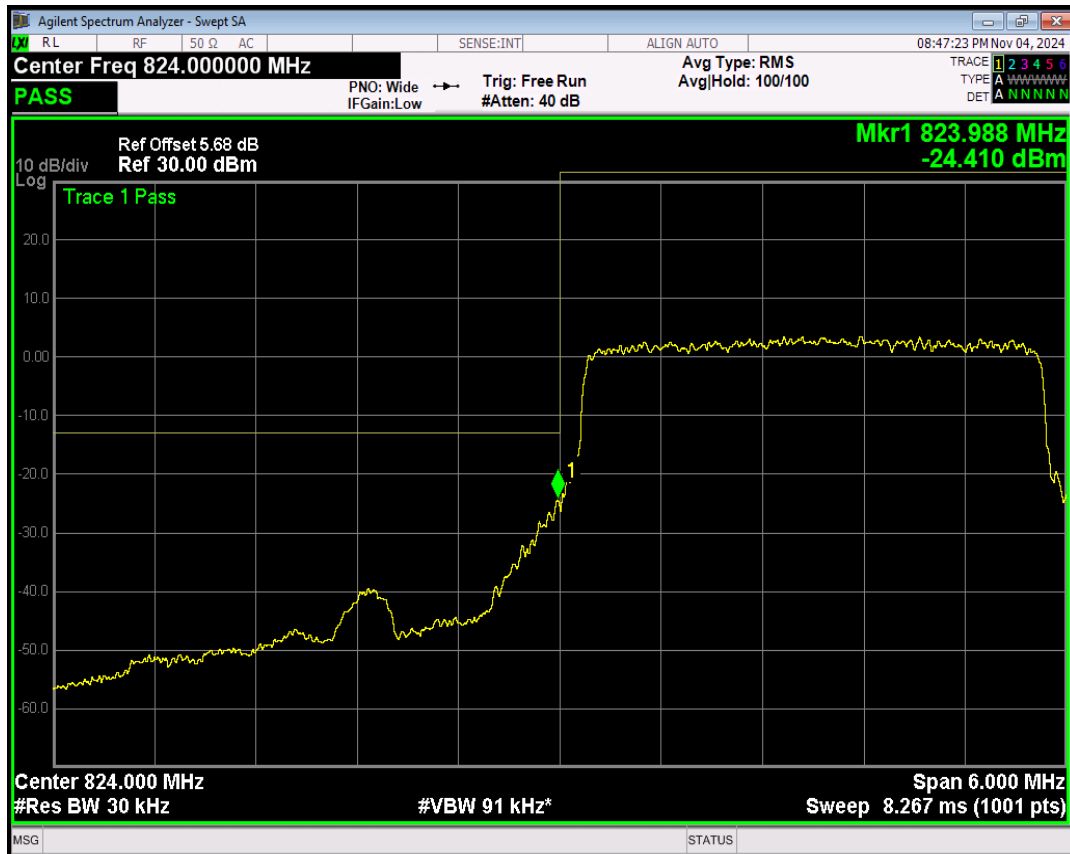
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



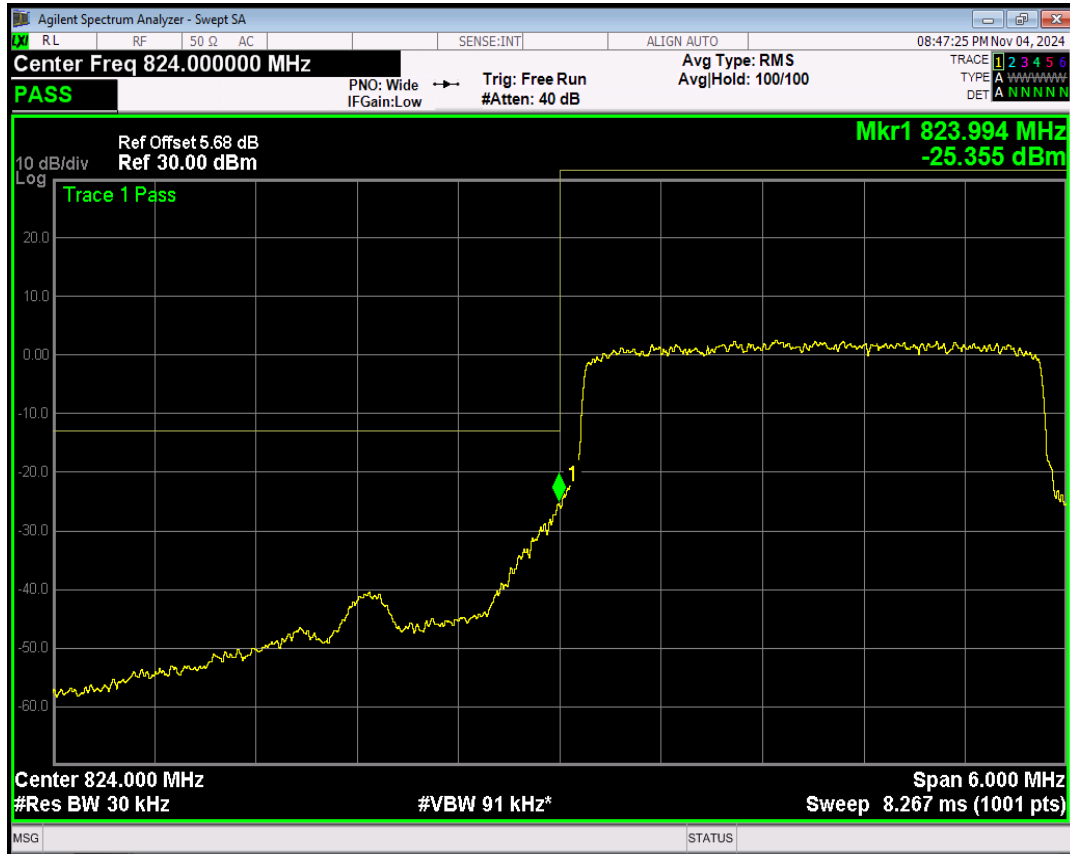
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



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



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



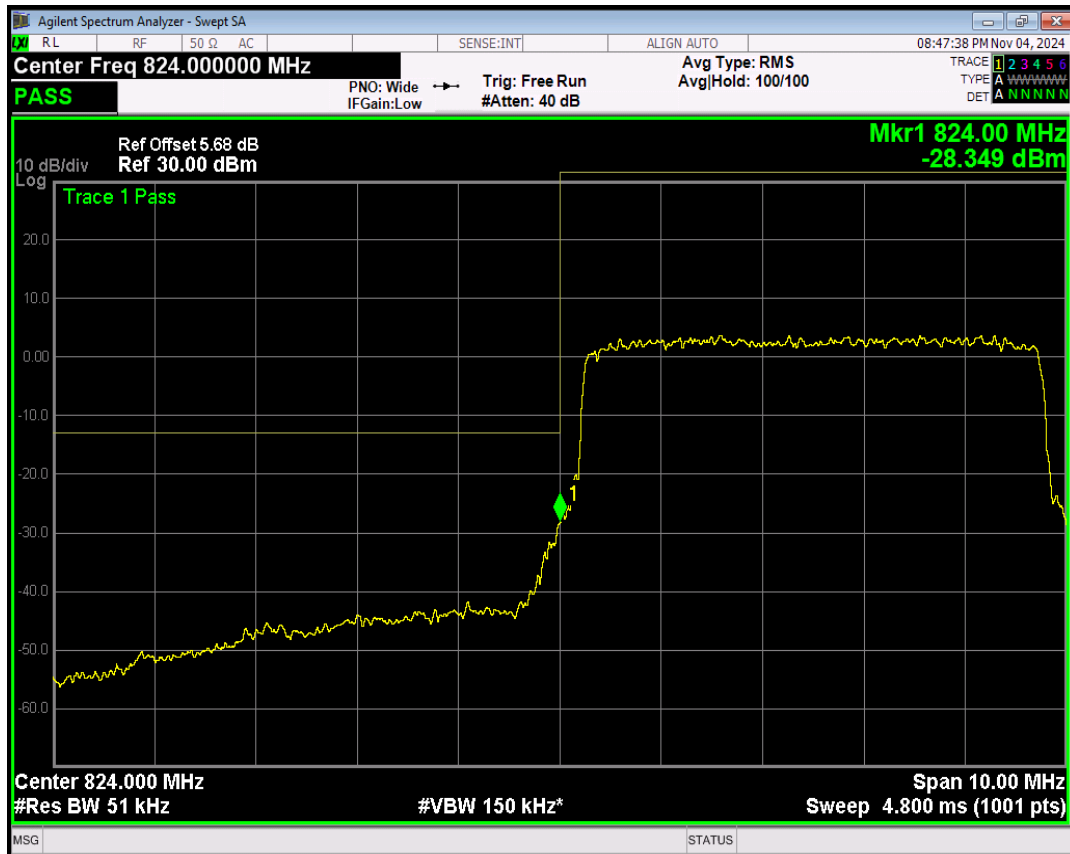
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



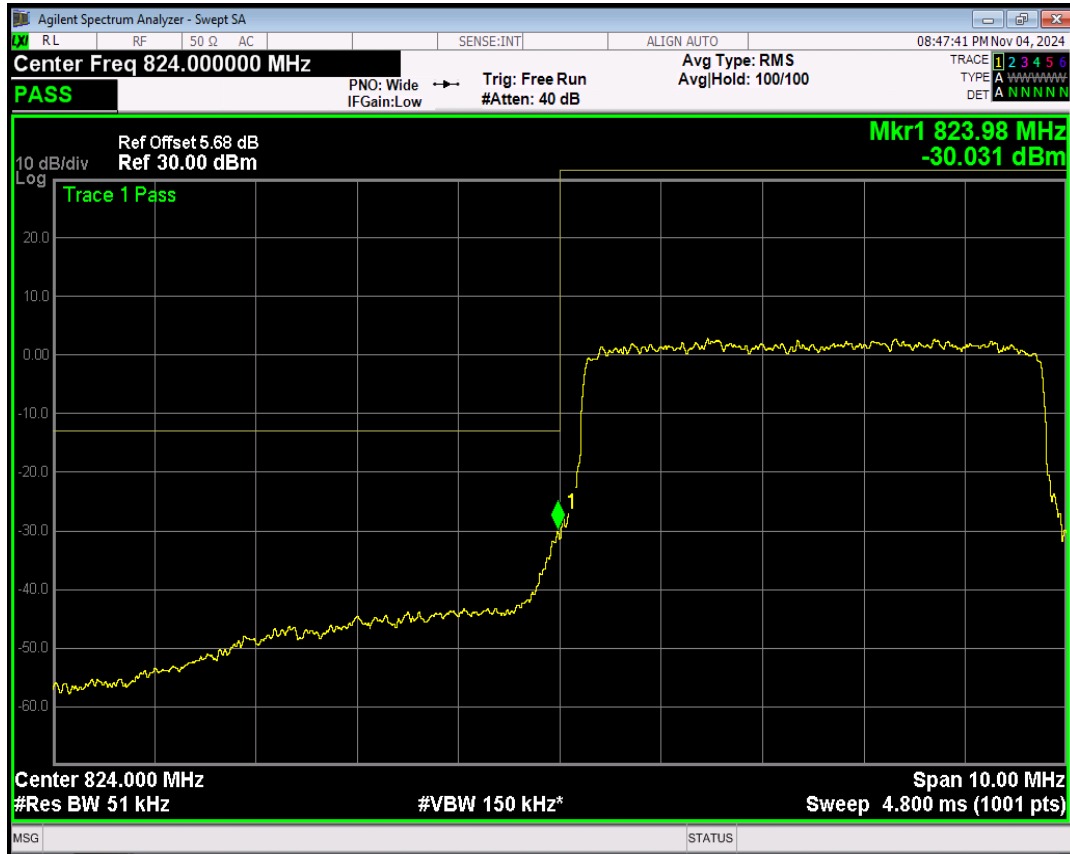
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



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



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



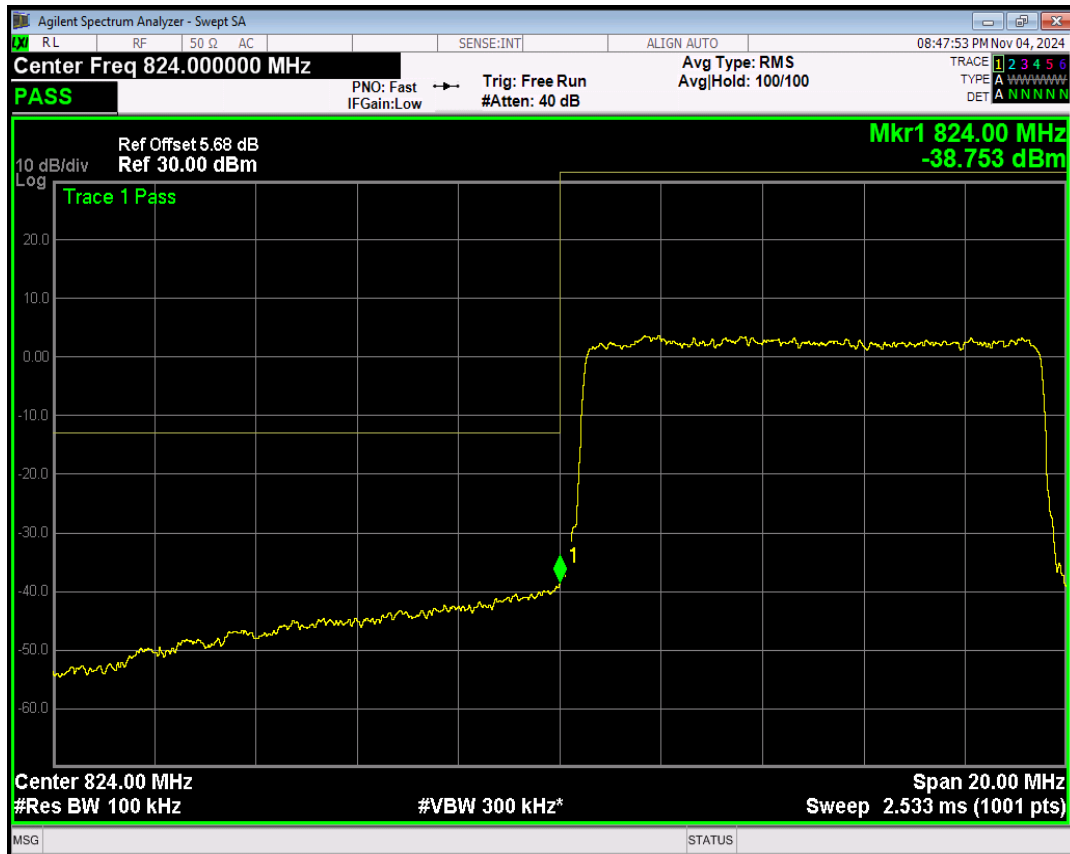
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



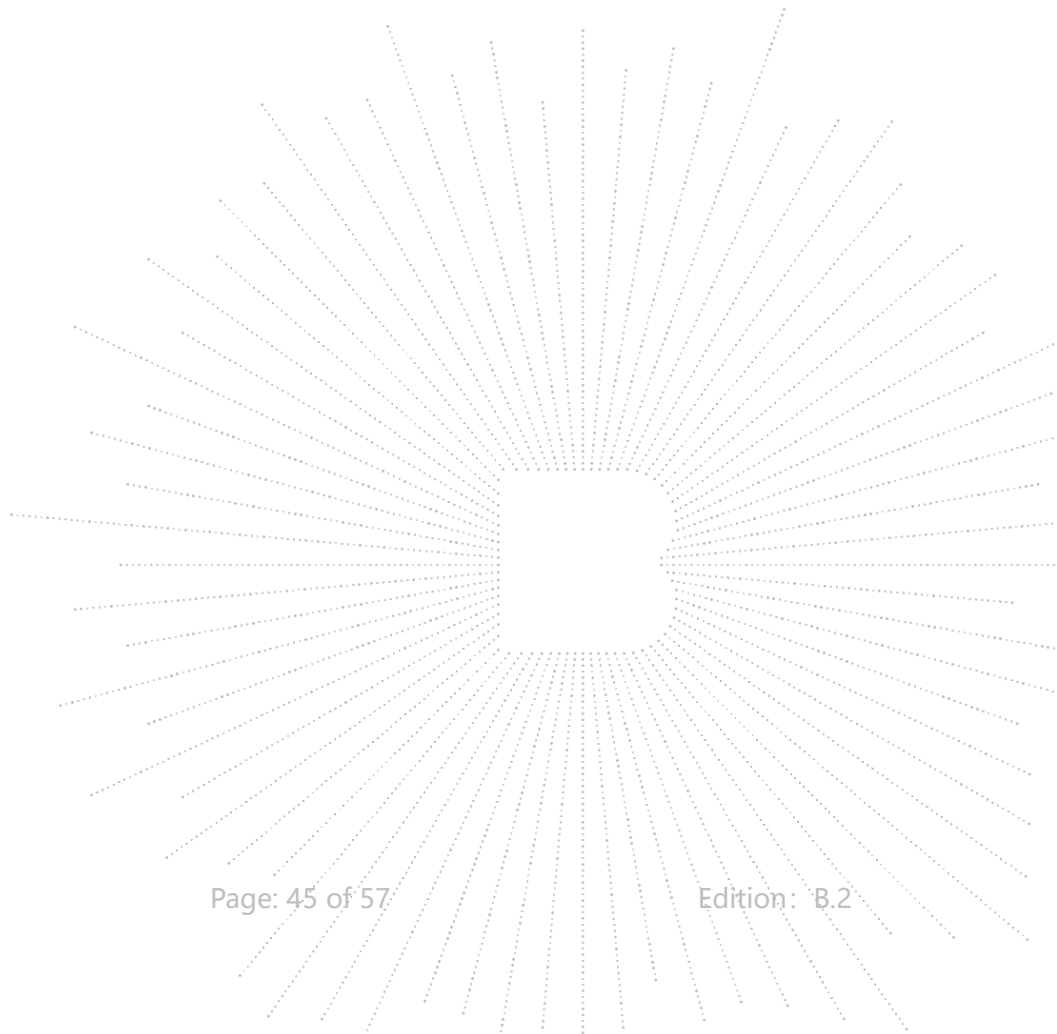
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



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



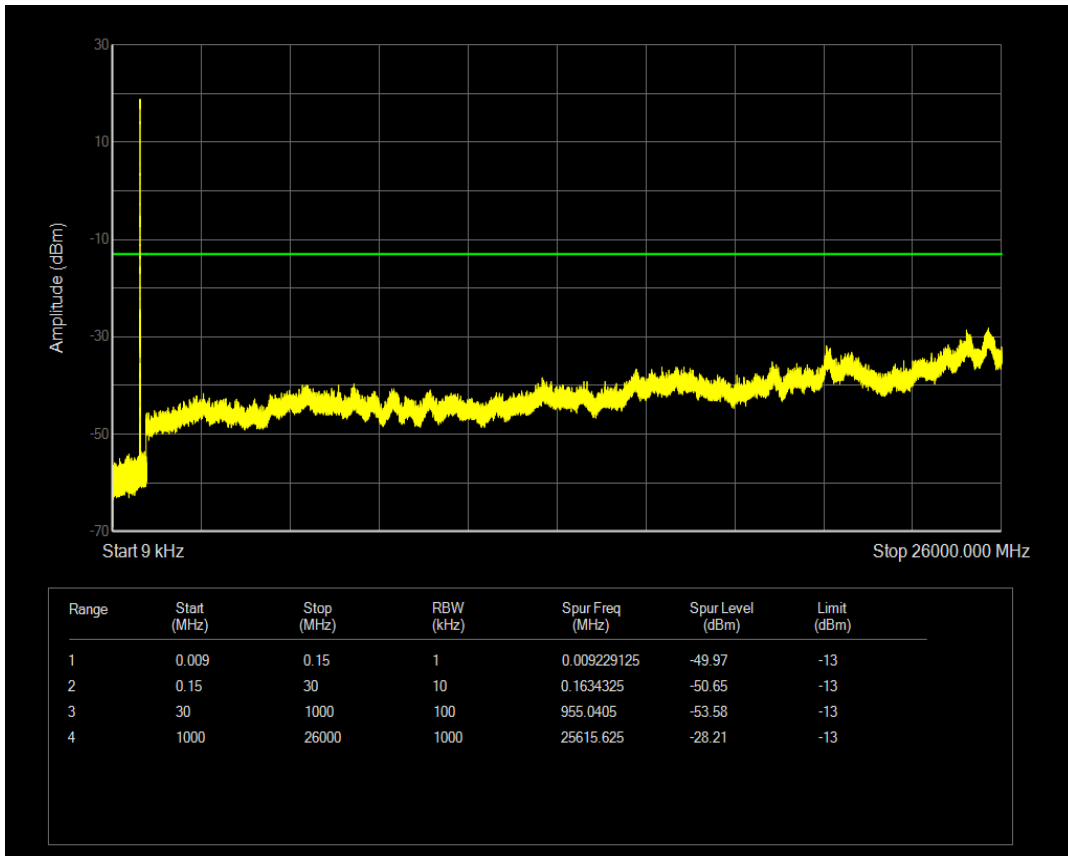
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



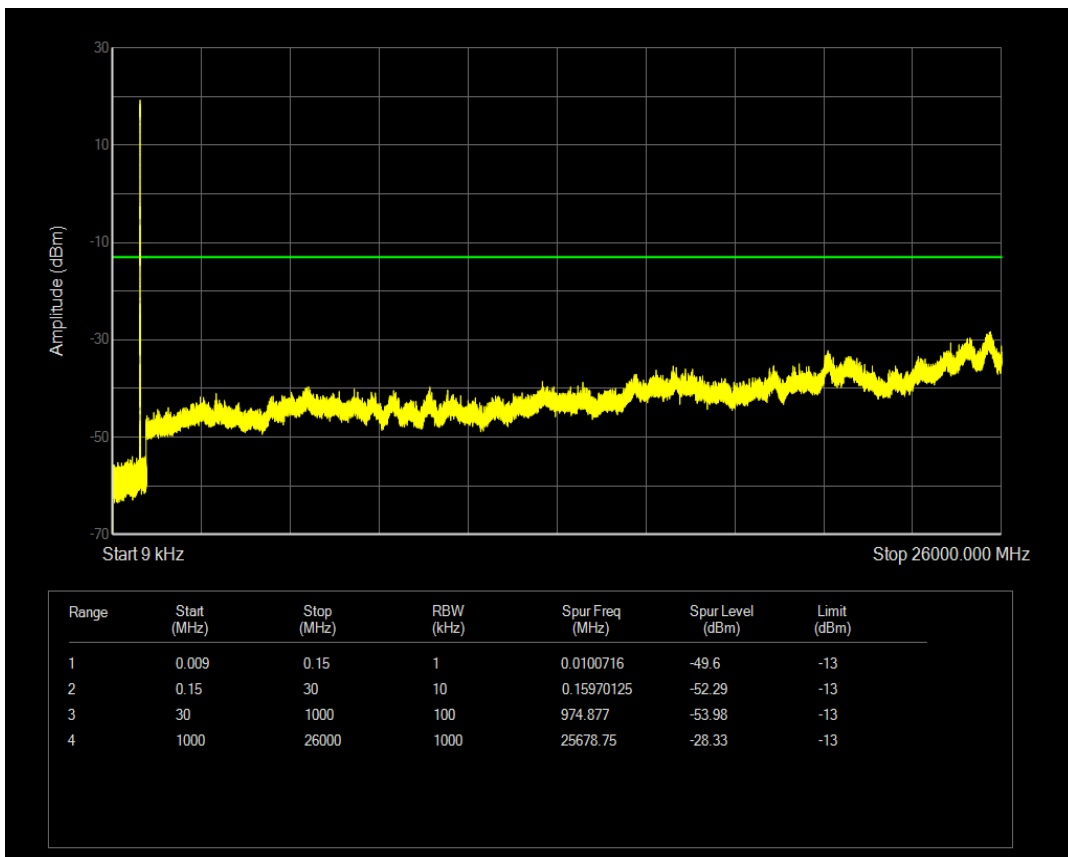
Appendix 6. Out-of-band emissions

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	25615.63	-28.21	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25678.75	-28.33	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25632.50	-27.75	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25661.25	-27.94	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25661.25	-28.39	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25666.88	-28.16	-13	PASS
Band5	3	20415	15	#0	QPSK	24979.38	-28.16	-13	PASS
Band5	3	20415	15	#0	16QAM	25576.25	-27.51	-13	PASS
Band5	3	20525	15	#0	QPSK	25644.38	-28.40	-13	PASS
Band5	3	20525	15	#0	16QAM	25604.38	-28.12	-13	PASS
Band5	3	20635	15	#0	QPSK	25601.88	-28.09	-13	PASS
Band5	3	20635	15	#0	16QAM	25649.38	-28.00	-13	PASS
Band5	5	20425	25	#0	QPSK	25726.88	-28.14	-13	PASS
Band5	5	20425	25	#0	16QAM	25656.25	-27.79	-13	PASS
Band5	5	20525	25	#0	QPSK	25628.75	-27.79	-13	PASS
Band5	5	20525	25	#0	16QAM	25630.63	-28.16	-13	PASS
Band5	5	20625	25	#0	QPSK	25672.50	-28.28	-13	PASS
Band5	5	20625	25	#0	16QAM	25645.00	-27.45	-13	PASS
Band5	10	20450	50	#0	QPSK	25596.88	-28.78	-13	PASS
Band5	10	20525	50	#0	QPSK	25666.25	-27.28	-13	PASS
Band5	10	20600	50	#0	QPSK	25606.25	-28.27	-13	PASS

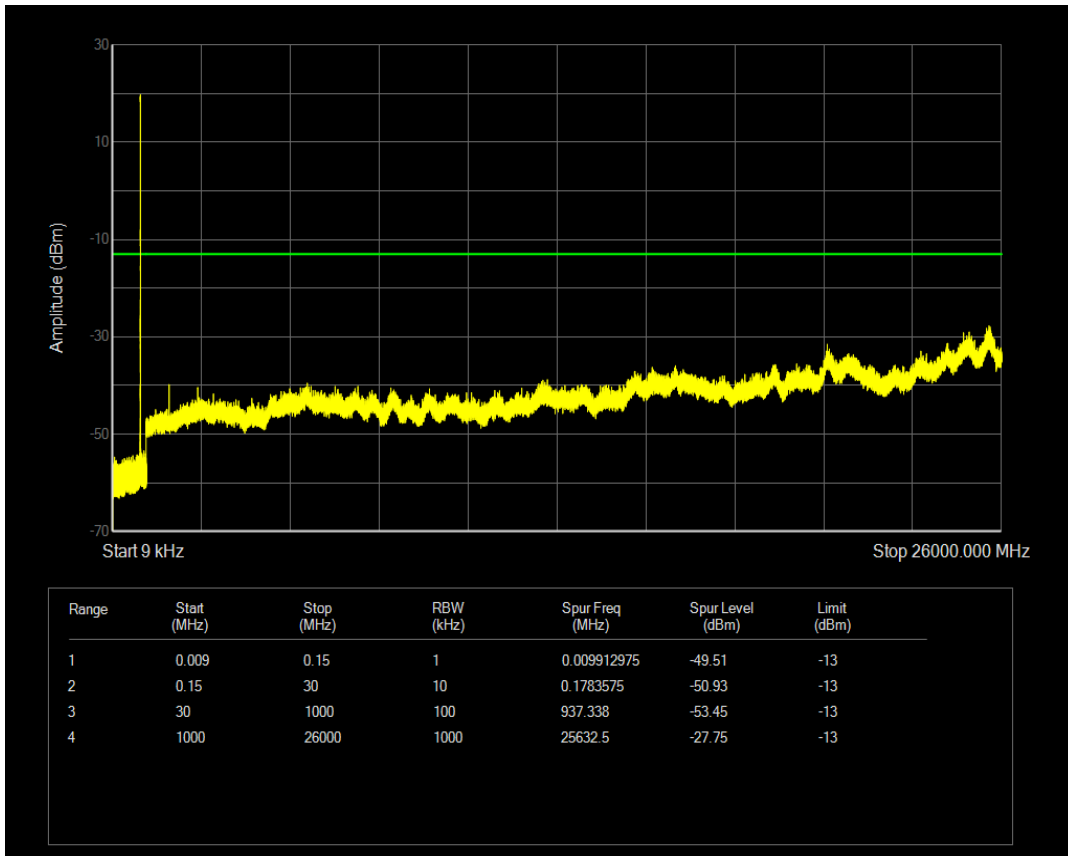
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



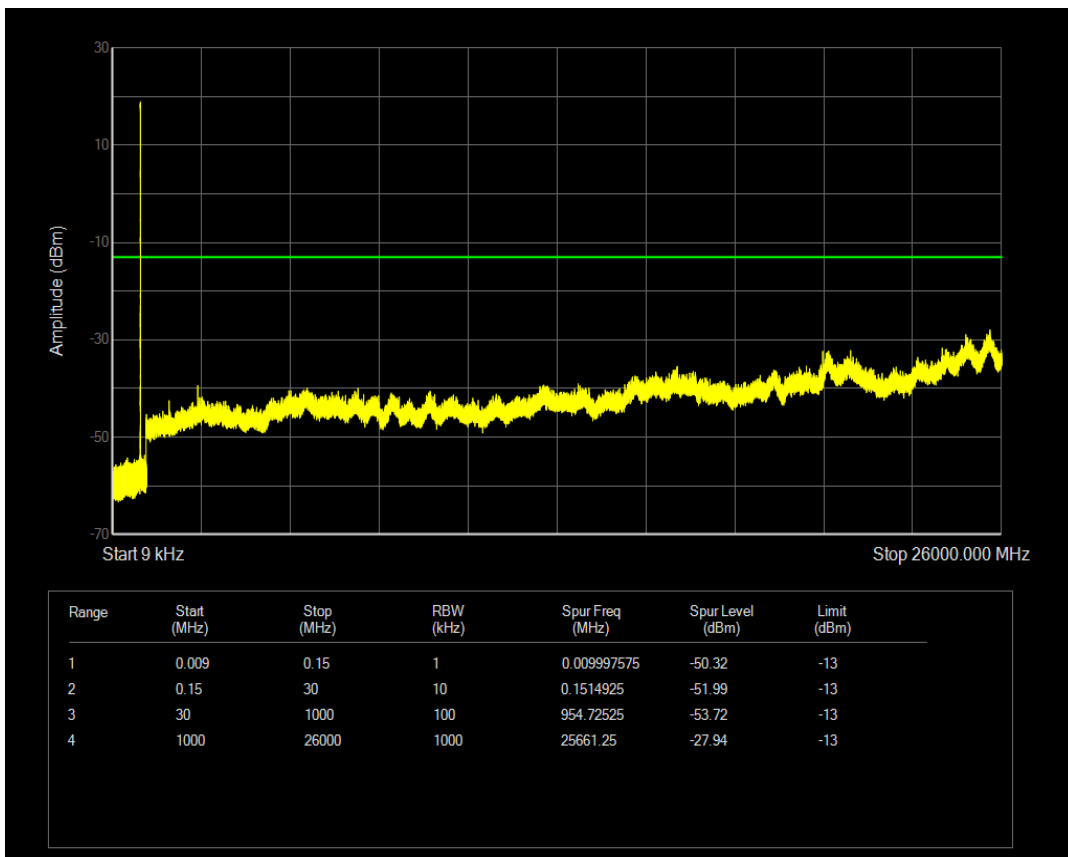
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



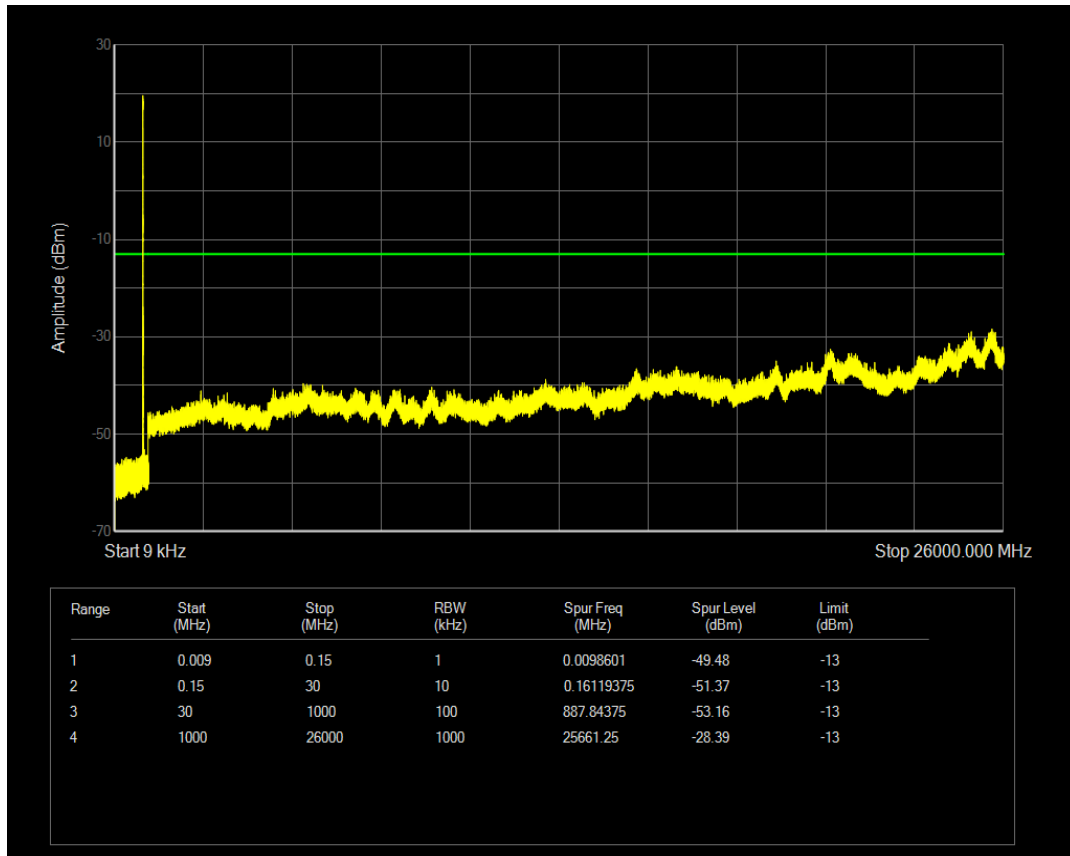
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



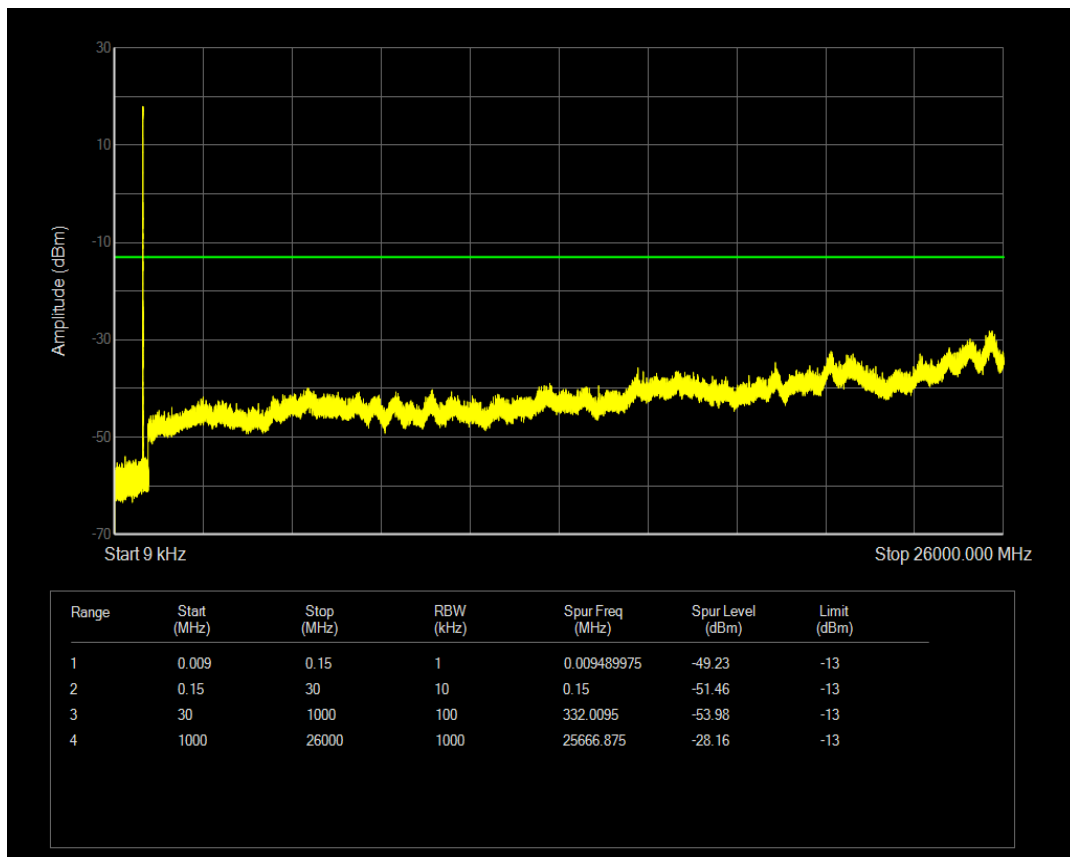
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



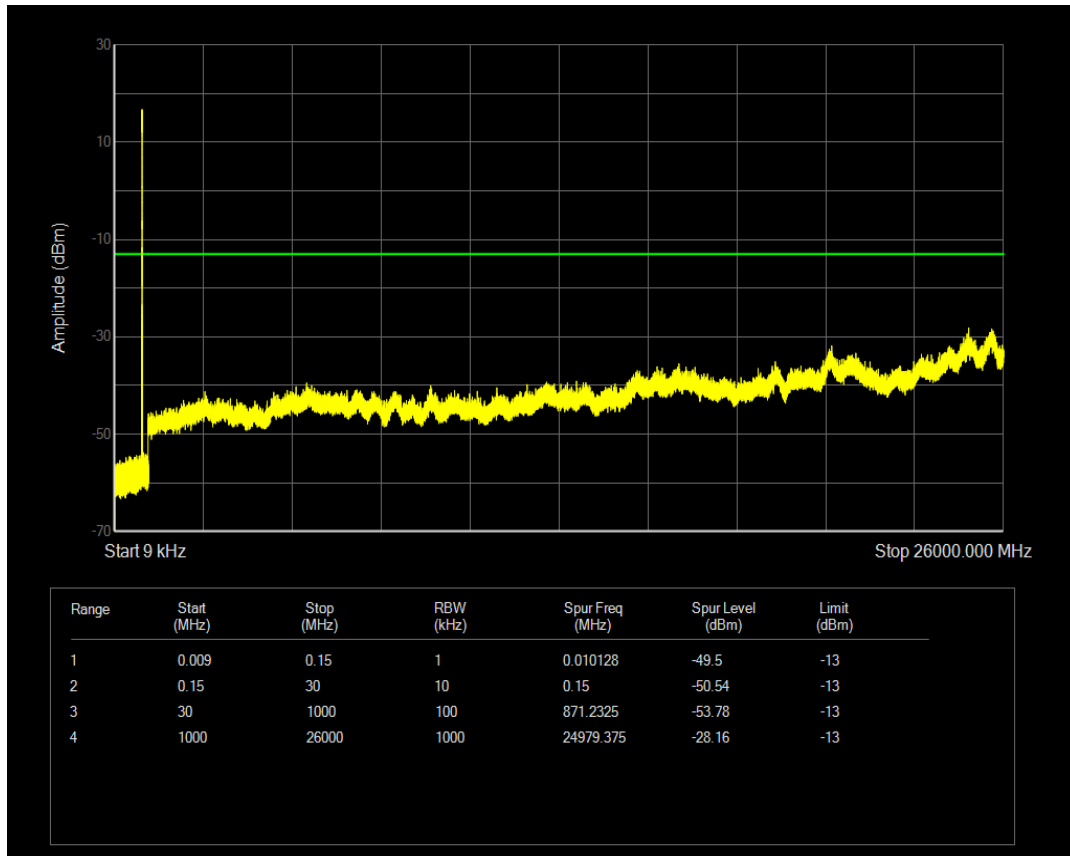
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



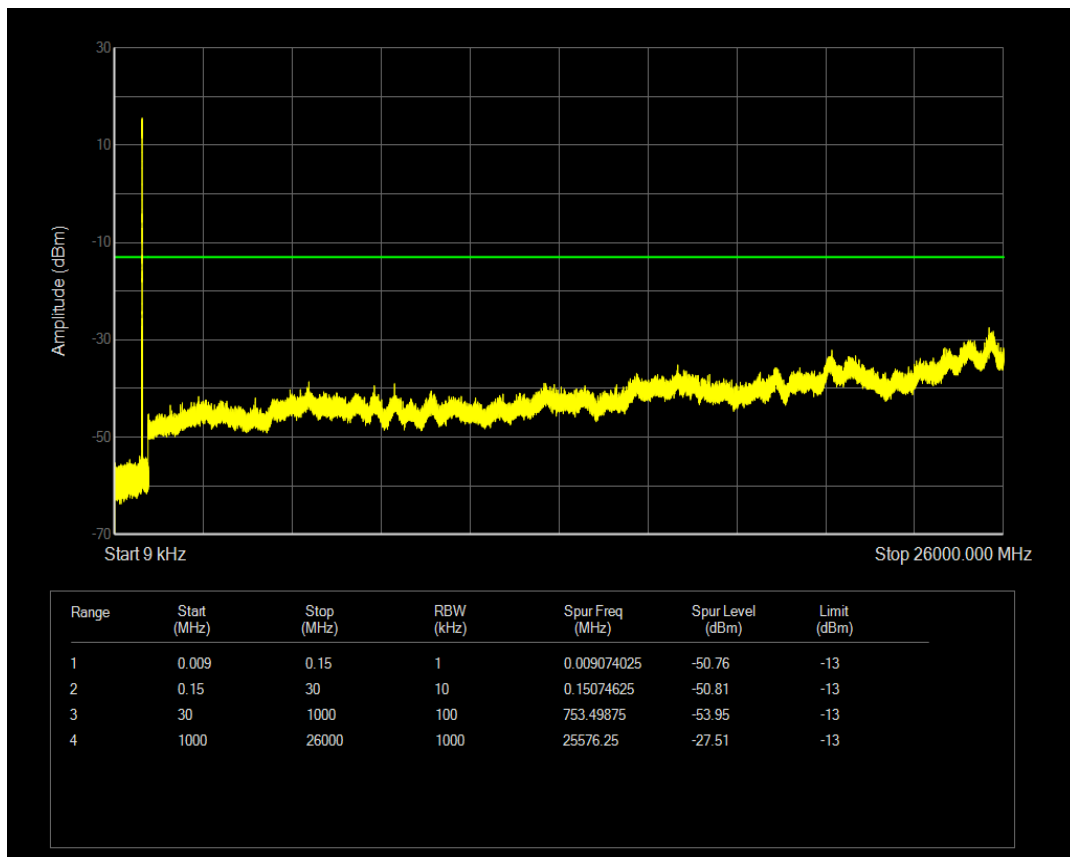
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



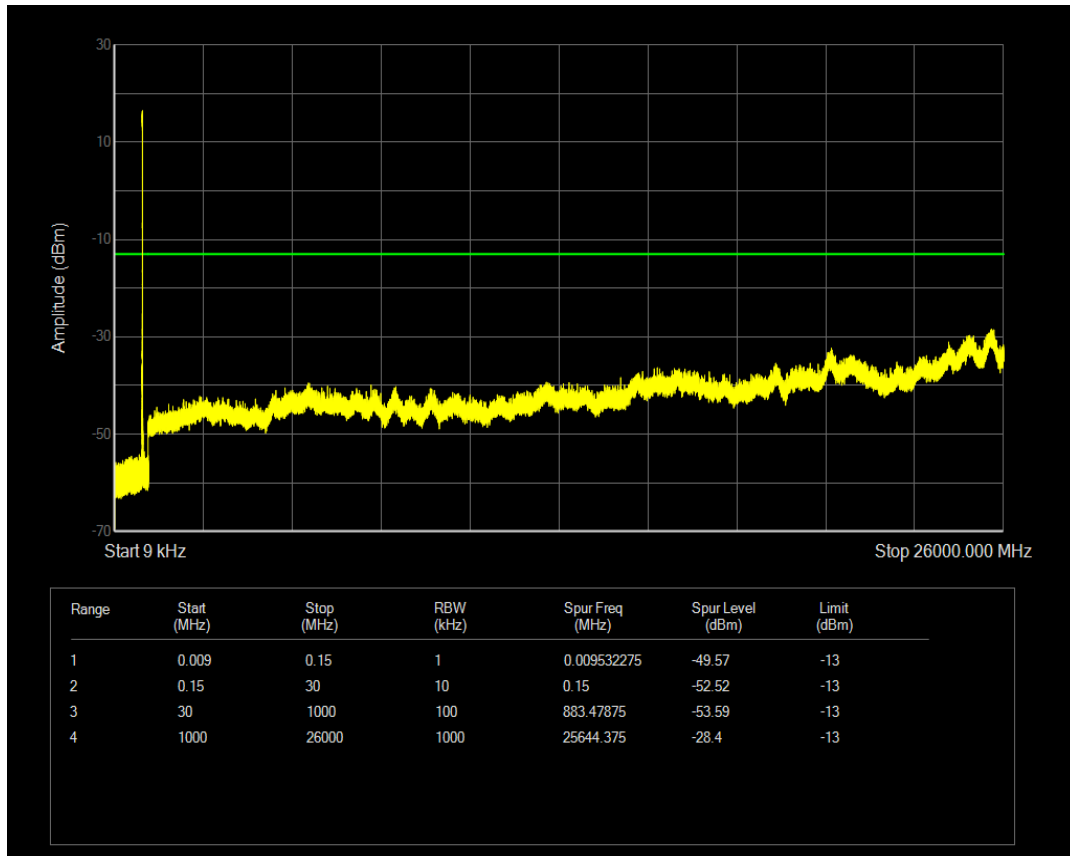
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



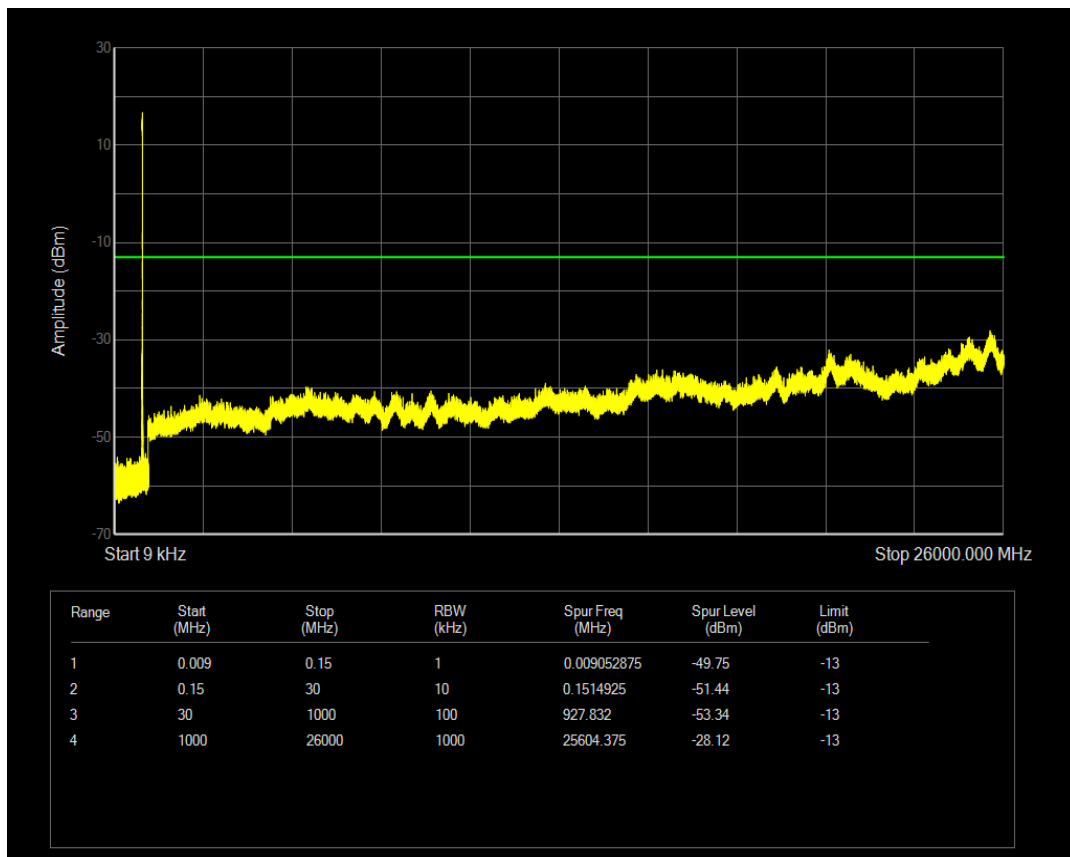
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



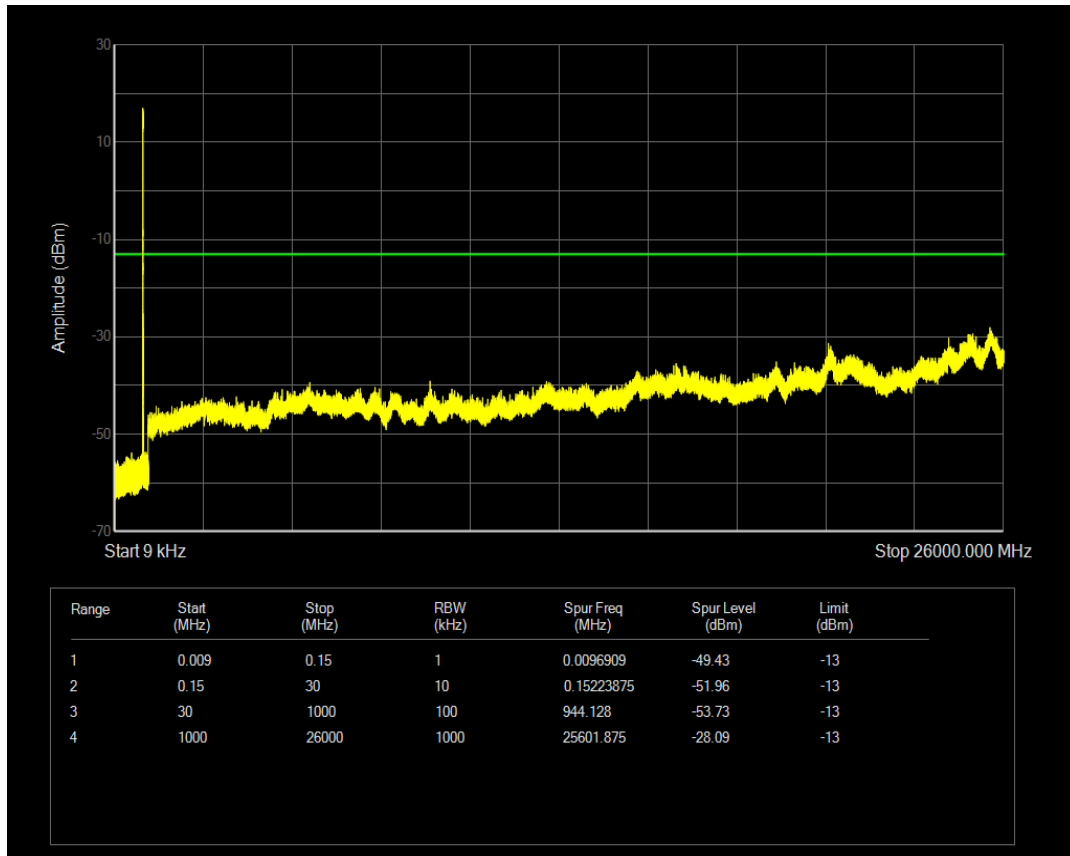
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



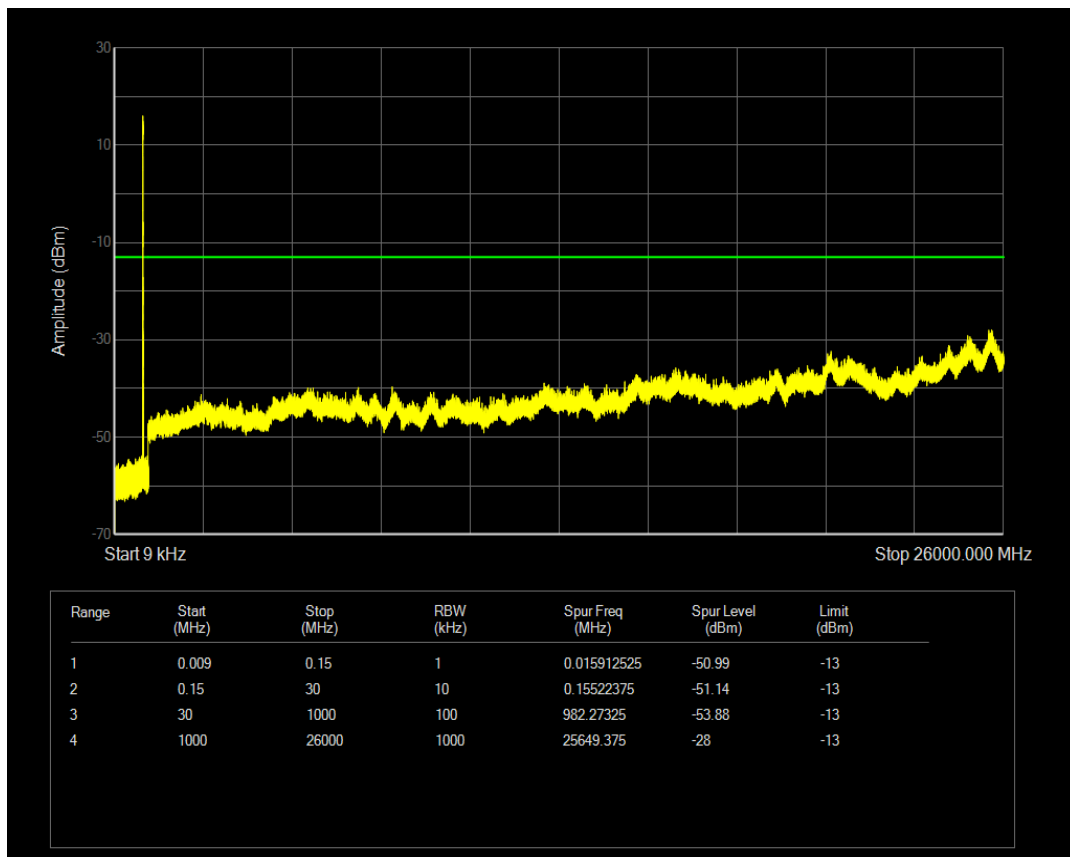
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



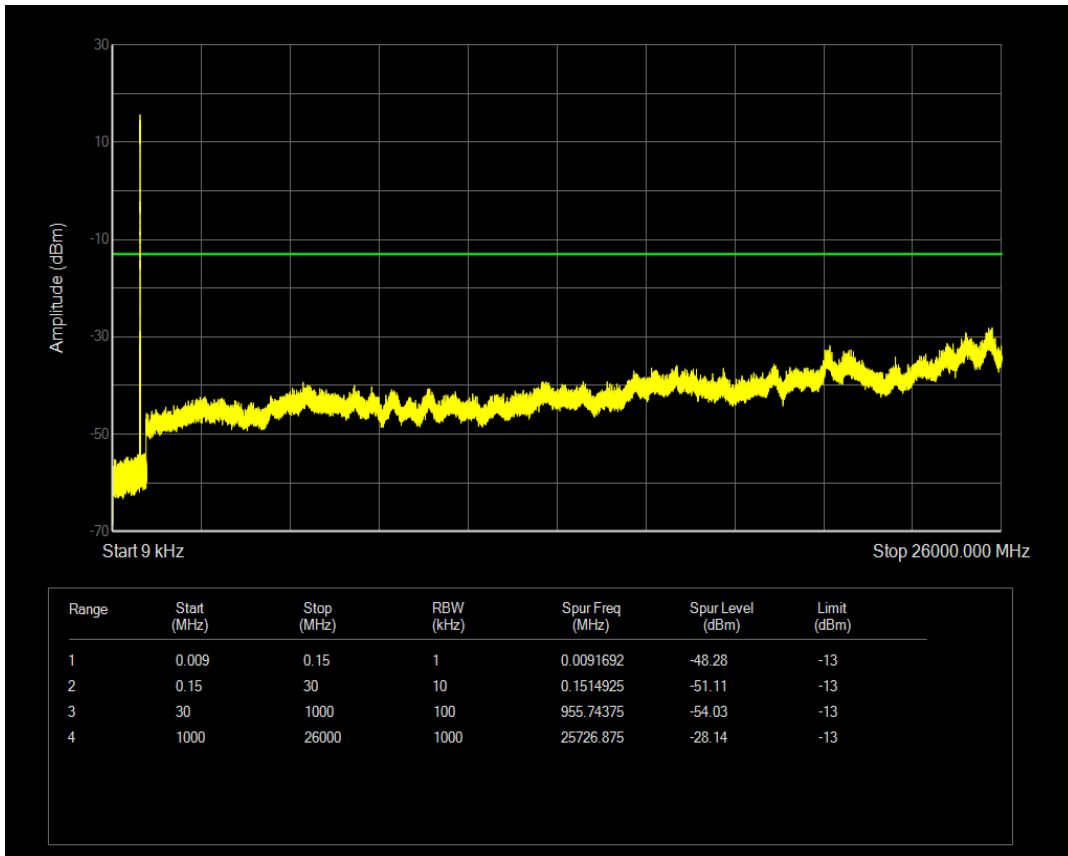
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



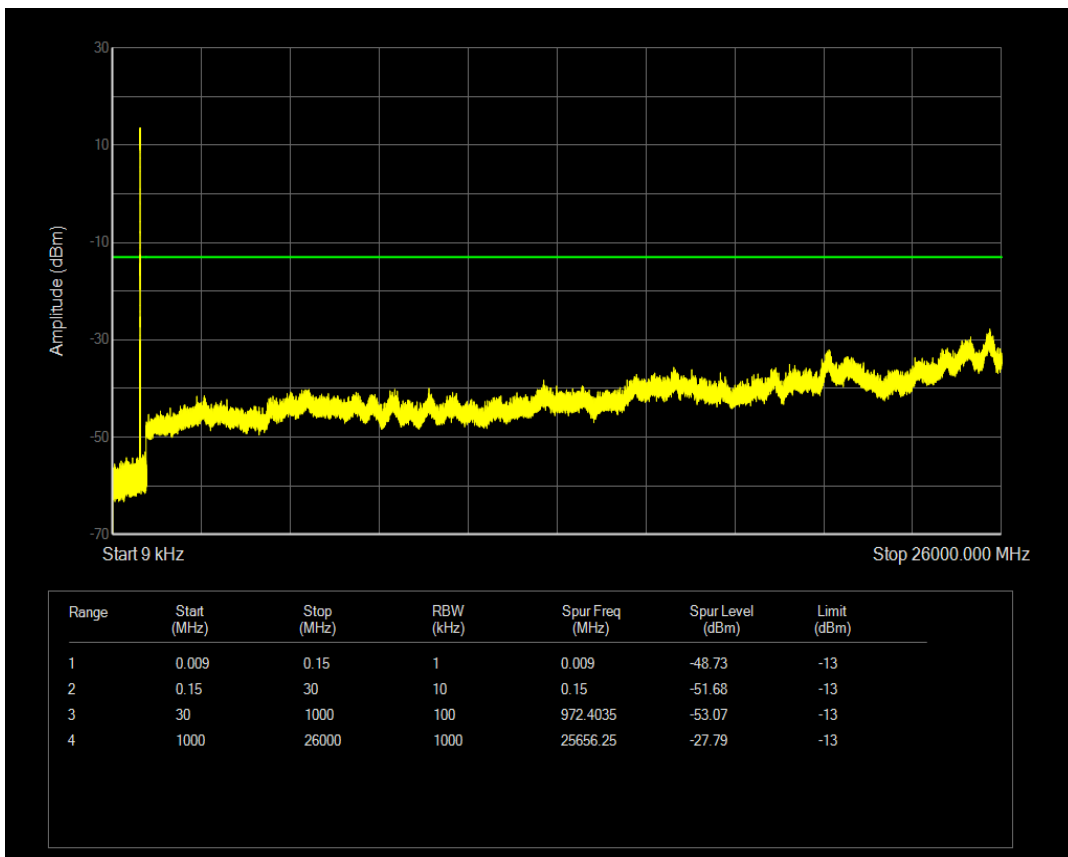
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



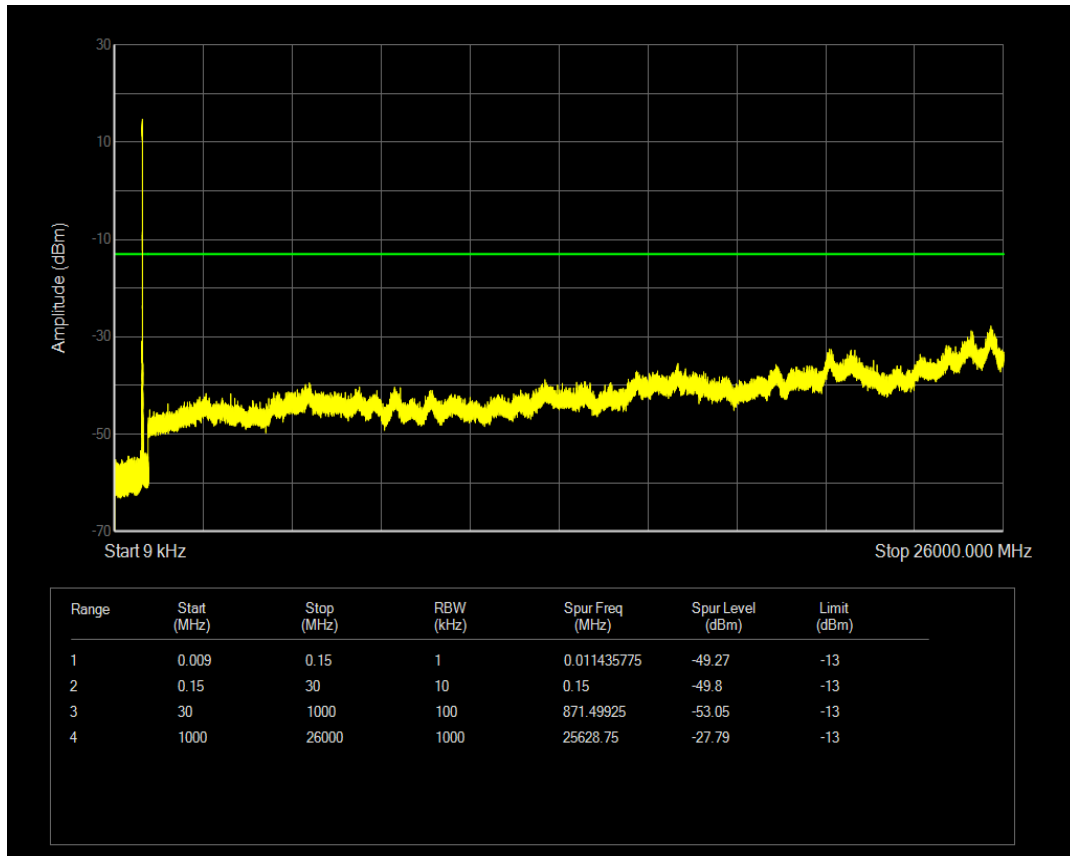
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



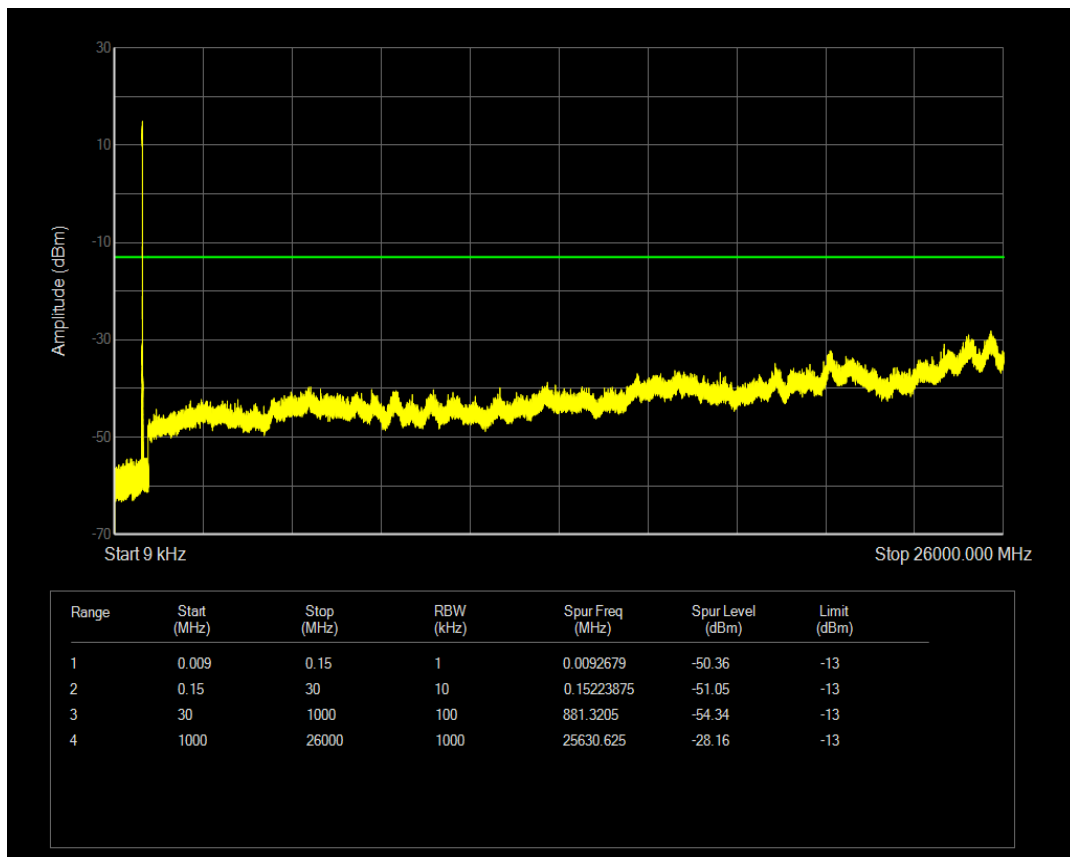
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



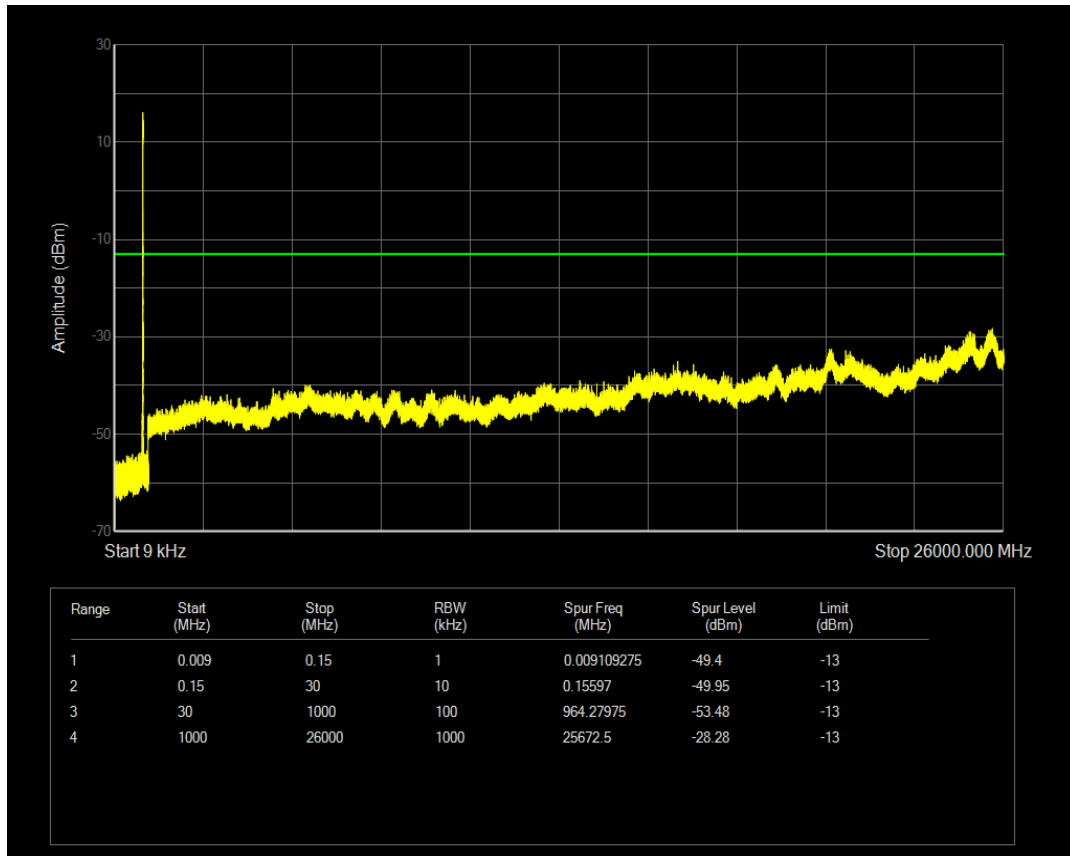
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



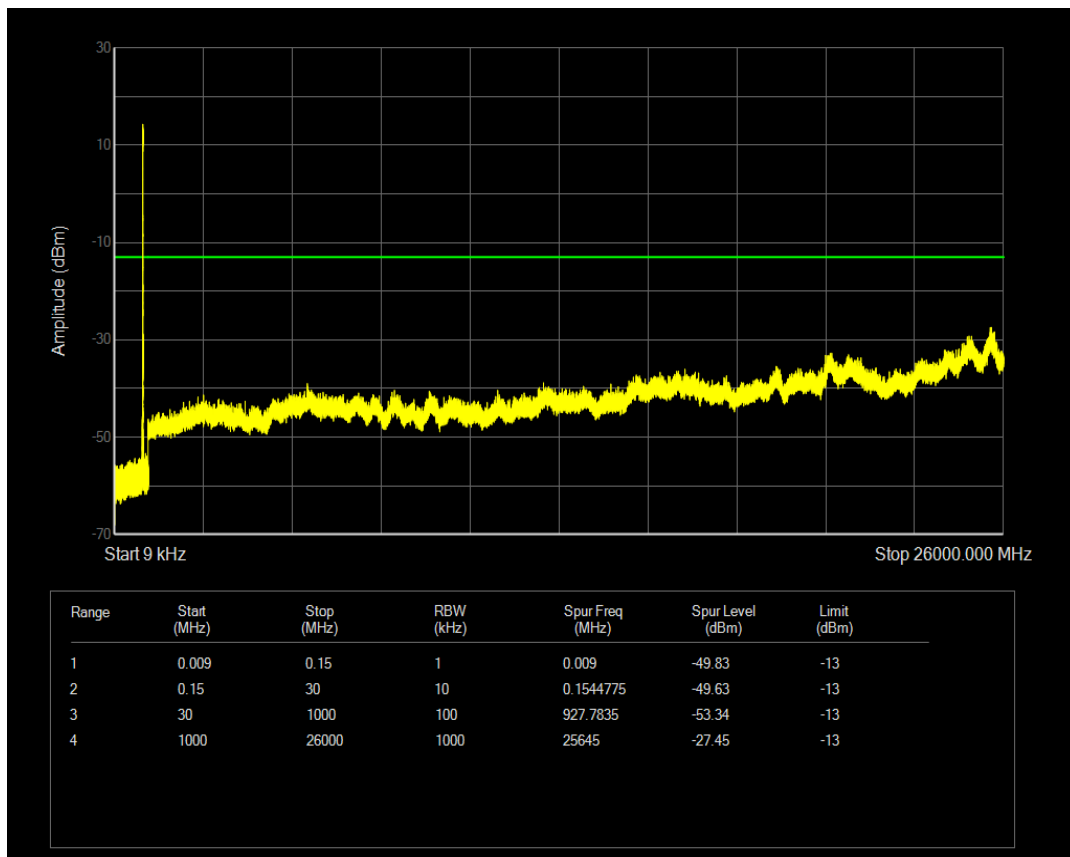
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



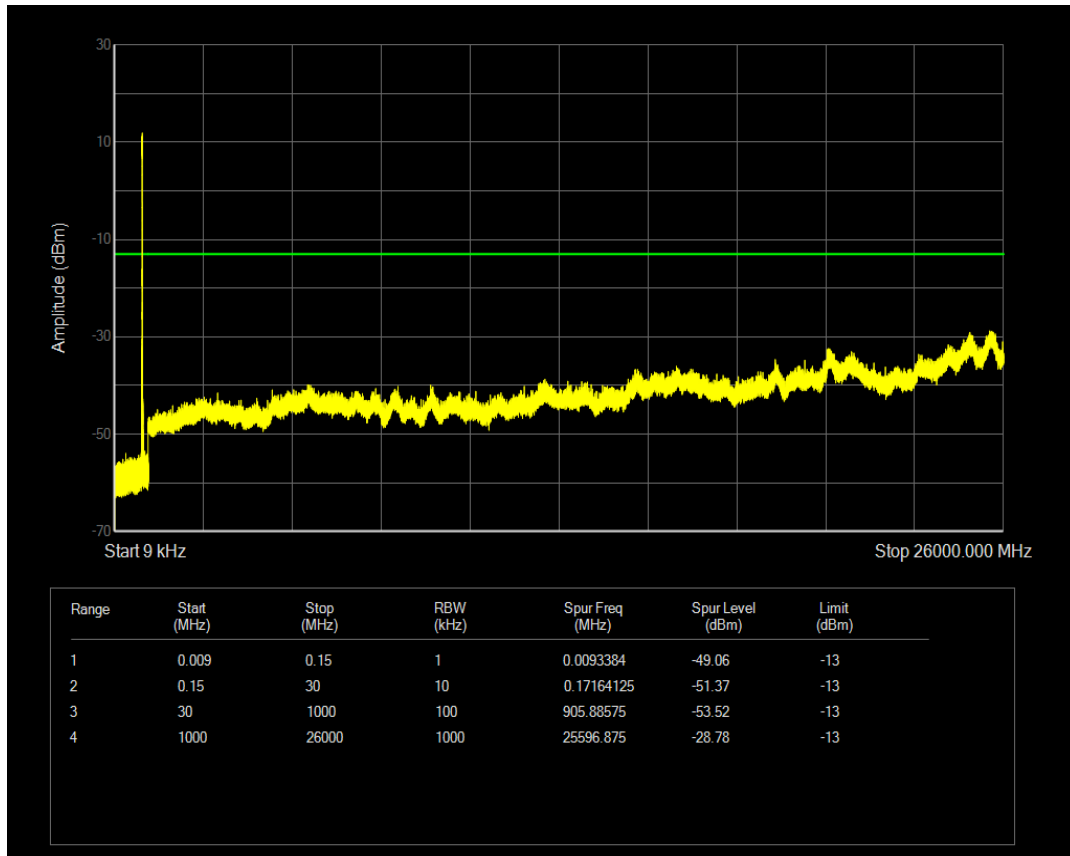
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



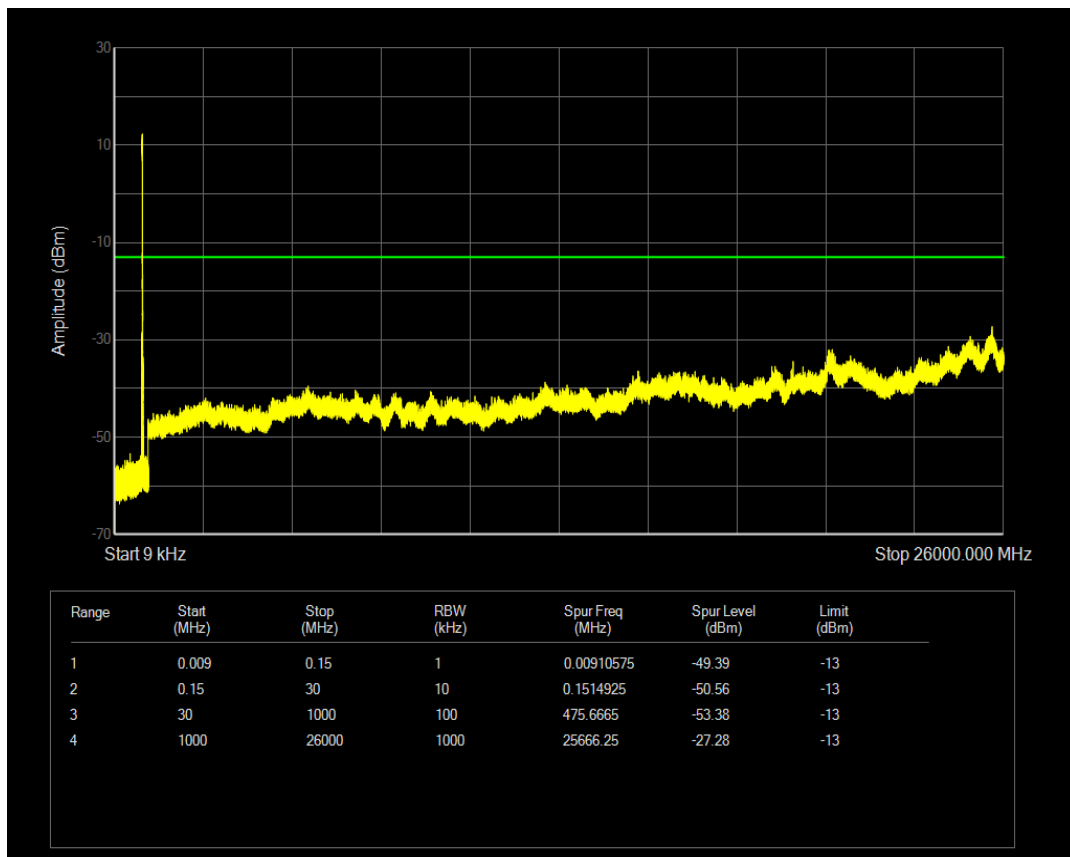
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



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



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



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

