

Appendix for Band 5

Report No.: BCTC2410930951-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

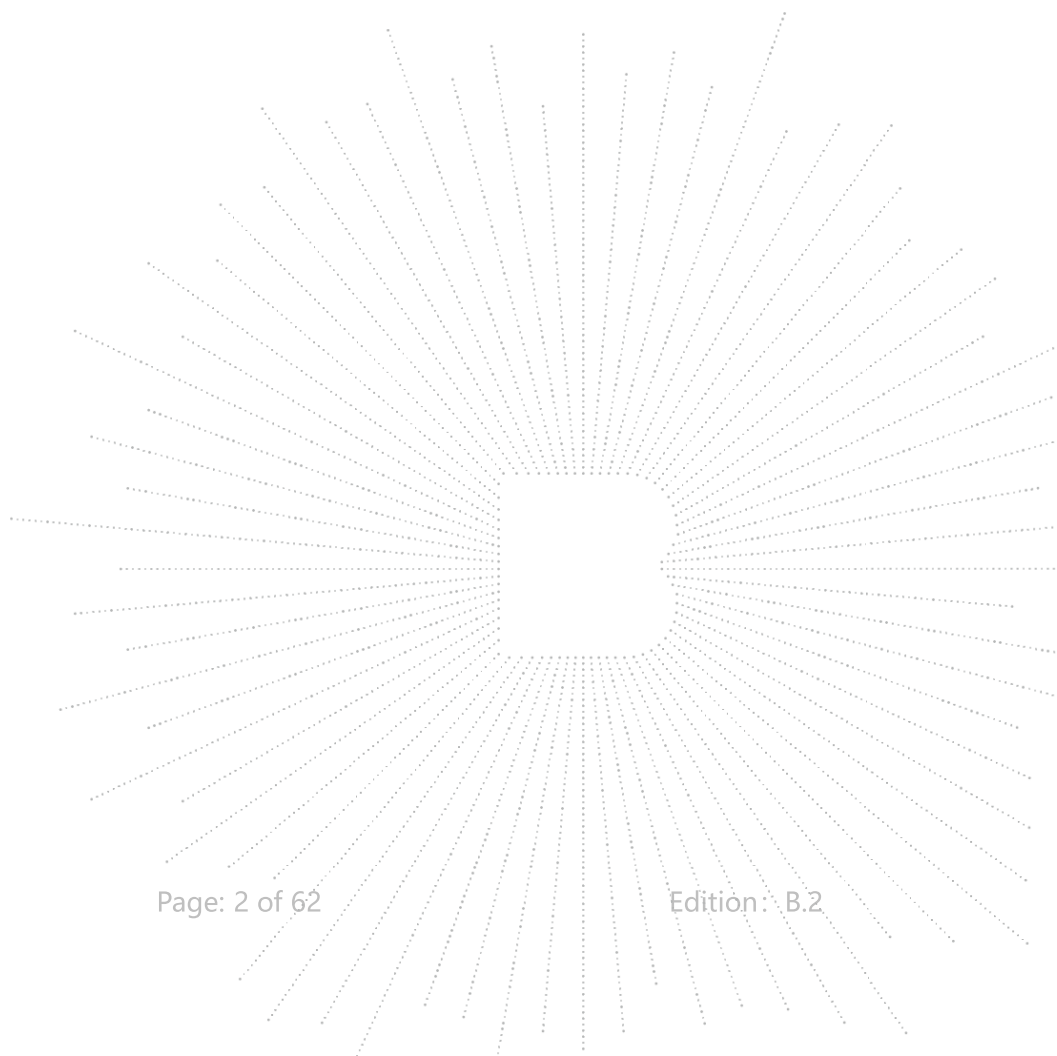
Test Model: S3

Tested Date: 2024-10-14 to 2024-11-06

Shenzhen BCTC Testing Co., Ltd.

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

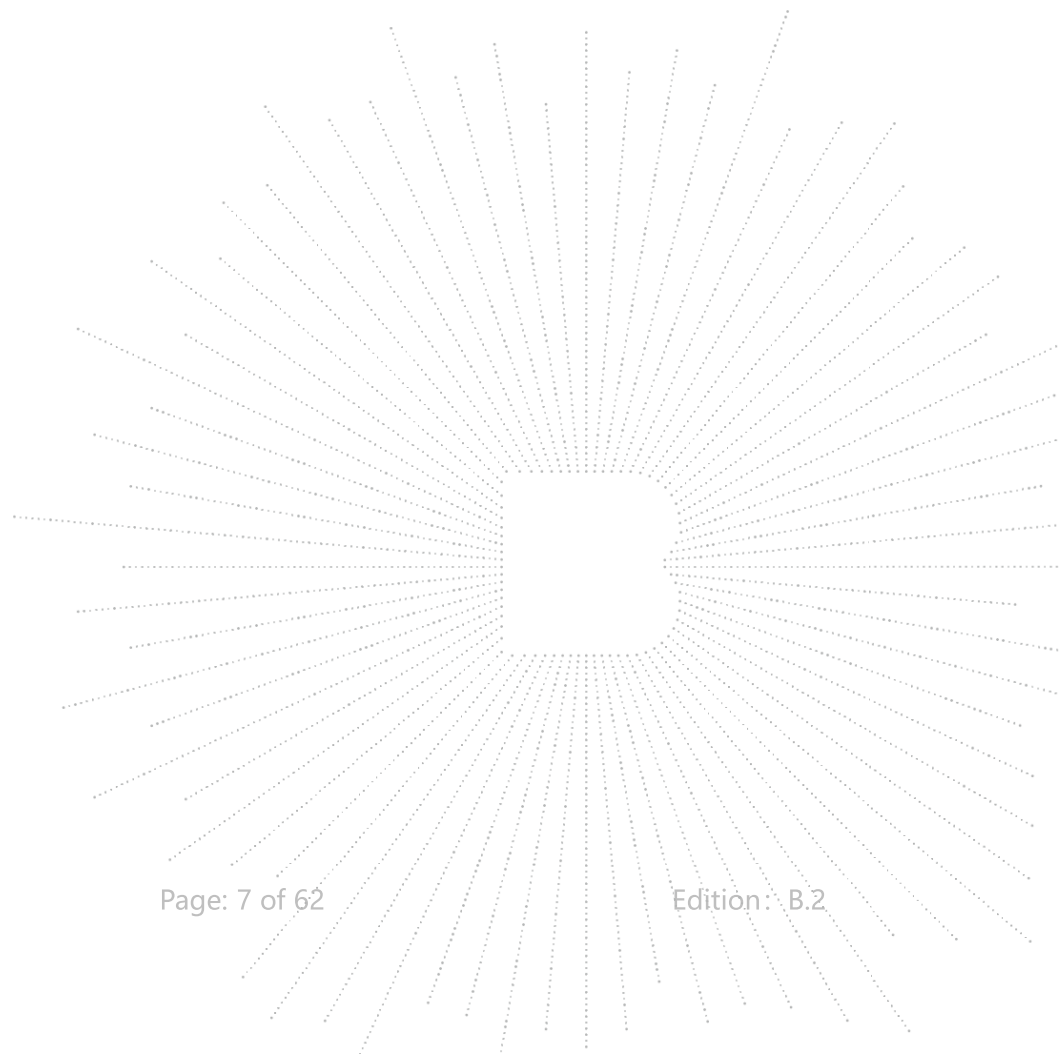
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	23.58	-4.3	17.13	PASS
Band5	1.4	20407	1	#Mid	QPSK	23.81	-4.3	17.36	PASS
Band5	1.4	20407	1	#Max	QPSK	23.62	-4.3	17.17	PASS
Band5	1.4	20407	3	#0	QPSK	23.75	-4.3	17.30	PASS
Band5	1.4	20407	3	#Mid	QPSK	23.72	-4.3	17.27	PASS
Band5	1.4	20407	3	#Max	QPSK	23.71	-4.3	17.26	PASS
Band5	1.4	20407	6	#0	QPSK	22.71	-4.3	16.26	PASS
Band5	1.4	20407	1	#0	16QAM	22.87	-4.3	16.42	PASS
Band5	1.4	20407	1	#Mid	16QAM	22.99	-4.3	16.54	PASS
Band5	1.4	20407	1	#Max	16QAM	22.92	-4.3	16.47	PASS
Band5	1.4	20407	3	#0	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20407	3	#Mid	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20407	3	#Max	16QAM	23.02	-4.3	16.57	PASS
Band5	1.4	20407	6	#0	16QAM	21.90	-4.3	15.45	PASS
Band5	1.4	20525	1	#0	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20525	1	#Mid	QPSK	23.95	-4.3	17.50	PASS
Band5	1.4	20525	1	#Max	QPSK	23.79	-4.3	17.34	PASS
Band5	1.4	20525	3	#0	QPSK	23.82	-4.3	17.37	PASS
Band5	1.4	20525	3	#Mid	QPSK	23.82	-4.3	17.37	PASS
Band5	1.4	20525	3	#Max	QPSK	23.81	-4.3	17.36	PASS
Band5	1.4	20525	6	#0	QPSK	22.85	-4.3	16.40	PASS
Band5	1.4	20525	1	#0	16QAM	22.68	-4.3	16.23	PASS
Band5	1.4	20525	1	#Mid	16QAM	22.82	-4.3	16.37	PASS
Band5	1.4	20525	1	#Max	16QAM	22.69	-4.3	16.24	PASS
Band5	1.4	20525	3	#0	16QAM	23.01	-4.3	16.56	PASS
Band5	1.4	20525	3	#Mid	16QAM	22.99	-4.3	16.54	PASS
Band5	1.4	20525	3	#Max	16QAM	23.04	-4.3	16.59	PASS
Band5	1.4	20525	6	#0	16QAM	22.04	-4.3	15.59	PASS
Band5	1.4	20643	1	#0	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20643	1	#Mid	QPSK	23.92	-4.3	17.47	PASS
Band5	1.4	20643	1	#Max	QPSK	23.76	-4.3	17.31	PASS
Band5	1.4	20643	3	#0	QPSK	23.79	-4.3	17.34	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.78	-4.3	17.33	PASS
Band5	1.4	20643	3	#Max	QPSK	23.83	-4.3	17.38	PASS
Band5	1.4	20643	6	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	1.4	20643	1	#0	16QAM	22.84	-4.3	16.39	PASS

Band5	1.4	20643	1	#Mid	16QAM	22.98	-4.3	16.53	PASS
Band5	1.4	20643	1	#Max	16QAM	22.84	-4.3	16.39	PASS
Band5	1.4	20643	3	#0	16QAM	22.90	-4.3	16.45	PASS
Band5	1.4	20643	3	#Mid	16QAM	22.85	-4.3	16.40	PASS
Band5	1.4	20643	3	#Max	16QAM	22.94	-4.3	16.49	PASS
Band5	1.4	20643	6	#0	16QAM	22.01	-4.3	15.56	PASS
Band5	3	20415	1	#0	QPSK	23.63	-4.3	17.18	PASS
Band5	3	20415	1	#Mid	QPSK	23.91	-4.3	17.46	PASS
Band5	3	20415	1	#Max	QPSK	23.62	-4.3	17.17	PASS
Band5	3	20415	8	#0	QPSK	22.67	-4.3	16.22	PASS
Band5	3	20415	8	#Mid	QPSK	22.65	-4.3	16.20	PASS
Band5	3	20415	8	#Max	QPSK	22.71	-4.3	16.26	PASS
Band5	3	20415	15	#0	QPSK	22.63	-4.3	16.18	PASS
Band5	3	20415	1	#0	16QAM	23.10	-4.3	16.65	PASS
Band5	3	20415	1	#Mid	16QAM	23.42	-4.3	16.97	PASS
Band5	3	20415	1	#Max	16QAM	23.15	-4.3	16.70	PASS
Band5	3	20415	8	#0	16QAM	21.69	-4.3	15.24	PASS
Band5	3	20415	8	#Mid	16QAM	21.73	-4.3	15.28	PASS
Band5	3	20415	8	#Max	16QAM	21.73	-4.3	15.28	PASS
Band5	3	20415	15	#0	16QAM	21.70	-4.3	15.25	PASS
Band5	3	20525	1	#0	QPSK	23.73	-4.3	17.28	PASS
Band5	3	20525	1	#Mid	QPSK	23.75	-4.3	17.30	PASS
Band5	3	20525	1	#Max	QPSK	23.74	-4.3	17.29	PASS
Band5	3	20525	8	#0	QPSK	22.79	-4.3	16.34	PASS
Band5	3	20525	8	#Mid	QPSK	22.82	-4.3	16.37	PASS
Band5	3	20525	8	#Max	QPSK	22.79	-4.3	16.34	PASS
Band5	3	20525	15	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	3	20525	1	#0	16QAM	22.99	-4.3	16.54	PASS
Band5	3	20525	1	#Mid	16QAM	23.25	-4.3	16.80	PASS
Band5	3	20525	1	#Max	16QAM	23.00	-4.3	16.55	PASS
Band5	3	20525	8	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	3	20525	8	#Mid	16QAM	21.84	-4.3	15.39	PASS
Band5	3	20525	8	#Max	16QAM	21.78	-4.3	15.33	PASS
Band5	3	20525	15	#0	16QAM	21.74	-4.3	15.29	PASS
Band5	3	20635	1	#0	QPSK	23.83	-4.3	17.38	PASS
Band5	3	20635	1	#Mid	QPSK	24.04	-4.3	17.59	PASS
Band5	3	20635	1	#Max	QPSK	23.78	-4.3	17.33	PASS
Band5	3	20635	8	#0	QPSK	22.77	-4.3	16.32	PASS
Band5	3	20635	8	#Mid	QPSK	22.80	-4.3	16.35	PASS
Band5	3	20635	8	#Max	QPSK	22.67	-4.3	16.22	PASS
Band5	3	20635	15	#0	QPSK	22.72	-4.3	16.27	PASS
Band5	3	20635	1	#0	16QAM	22.66	-4.3	16.21	PASS
Band5	3	20635	1	#Mid	16QAM	22.96	-4.3	16.51	PASS

Band5	3	20635	1	#Max	16QAM	22.59	-4.3	16.14	PASS
Band5	3	20635	8	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	3	20635	8	#Mid	16QAM	21.82	-4.3	15.37	PASS
Band5	3	20635	8	#Max	16QAM	21.75	-4.3	15.30	PASS
Band5	3	20635	15	#0	16QAM	21.85	-4.3	15.40	PASS
Band5	5	20425	1	#0	QPSK	23.57	-4.3	17.12	PASS
Band5	5	20425	1	#Mid	QPSK	23.98	-4.3	17.53	PASS
Band5	5	20425	1	#Max	QPSK	23.56	-4.3	17.11	PASS
Band5	5	20425	12	#0	QPSK	22.66	-4.3	16.21	PASS
Band5	5	20425	12	#Mid	QPSK	22.76	-4.3	16.31	PASS
Band5	5	20425	12	#Max	QPSK	22.76	-4.3	16.31	PASS
Band5	5	20425	25	#0	QPSK	22.71	-4.3	16.26	PASS
Band5	5	20425	1	#0	16QAM	22.97	-4.3	16.52	PASS
Band5	5	20425	1	#Mid	16QAM	23.35	-4.3	16.90	PASS
Band5	5	20425	1	#Max	16QAM	22.98	-4.3	16.53	PASS
Band5	5	20425	12	#0	16QAM	21.63	-4.3	15.18	PASS
Band5	5	20425	12	#Mid	16QAM	21.71	-4.3	15.26	PASS
Band5	5	20425	12	#Max	16QAM	21.69	-4.3	15.24	PASS
Band5	5	20425	25	#0	16QAM	21.76	-4.3	15.31	PASS
Band5	5	20525	1	#0	QPSK	23.56	-4.3	17.11	PASS
Band5	5	20525	1	#Mid	QPSK	23.80	-4.3	17.35	PASS
Band5	5	20525	1	#Max	QPSK	23.61	-4.3	17.16	PASS
Band5	5	20525	12	#0	QPSK	22.78	-4.3	16.33	PASS
Band5	5	20525	12	#Mid	QPSK	22.85	-4.3	16.40	PASS
Band5	5	20525	12	#Max	QPSK	22.77	-4.3	16.32	PASS
Band5	5	20525	25	#0	QPSK	22.82	-4.3	16.37	PASS
Band5	5	20525	1	#0	16QAM	23.02	-4.3	16.57	PASS
Band5	5	20525	1	#Mid	16QAM	23.41	-4.3	16.96	PASS
Band5	5	20525	1	#Max	16QAM	23.04	-4.3	16.59	PASS
Band5	5	20525	12	#0	16QAM	21.82	-4.3	15.37	PASS
Band5	5	20525	12	#Mid	16QAM	21.85	-4.3	15.40	PASS
Band5	5	20525	12	#Max	16QAM	21.79	-4.3	15.34	PASS
Band5	5	20525	25	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	5	20625	1	#0	QPSK	23.70	-4.3	17.25	PASS
Band5	5	20625	1	#Mid	QPSK	24.19	-4.3	17.74	PASS
Band5	5	20625	1	#Max	QPSK	23.64	-4.3	17.19	PASS
Band5	5	20625	12	#0	QPSK	22.69	-4.3	16.24	PASS
Band5	5	20625	12	#Mid	QPSK	22.82	-4.3	16.37	PASS
Band5	5	20625	12	#Max	QPSK	22.66	-4.3	16.21	PASS
Band5	5	20625	25	#0	QPSK	22.74	-4.3	16.29	PASS
Band5	5	20625	1	#0	16QAM	23.21	-4.3	16.76	PASS
Band5	5	20625	1	#Mid	16QAM	23.56	-4.3	17.11	PASS
Band5	5	20625	1	#Max	16QAM	23.17	-4.3	16.72	PASS

Band5	5	20625	12	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	5	20625	12	#Mid	16QAM	21.87	-4.3	15.42	PASS
Band5	5	20625	12	#Max	16QAM	21.75	-4.3	15.30	PASS
Band5	5	20625	25	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	10	20450	1	#0	QPSK	23.62	-4.3	17.17	PASS
Band5	10	20450	1	#Mid	QPSK	23.75	-4.3	17.30	PASS
Band5	10	20450	1	#Max	QPSK	23.73	-4.3	17.28	PASS
Band5	10	20450	25	#0	QPSK	22.83	-4.3	16.38	PASS
Band5	10	20450	25	#Mid	QPSK	22.79	-4.3	16.34	PASS
Band5	10	20450	25	#Max	QPSK	22.91	-4.3	16.46	PASS
Band5	10	20450	50	#0	QPSK	22.82	-4.3	16.37	PASS
Band5	10	20450	1	#0	16QAM	22.86	-4.3	16.41	PASS
Band5	10	20450	1	#Mid	16QAM	23.04	-4.3	16.59	PASS
Band5	10	20450	1	#Max	16QAM	22.97	-4.3	16.52	PASS
Band5	10	20450	25	#0	16QAM	21.79	-4.3	15.34	PASS
Band5	10	20450	25	#Mid	16QAM	21.77	-4.3	15.32	PASS
Band5	10	20450	25	#Max	16QAM	21.87	-4.3	15.42	PASS
Band5	10	20450	50	#0	16QAM	21.92	-4.3	15.47	PASS
Band5	10	20525	1	#0	QPSK	23.77	-4.3	17.32	PASS
Band5	10	20525	1	#Mid	QPSK	23.91	-4.3	17.46	PASS
Band5	10	20525	1	#Max	QPSK	23.84	-4.3	17.39	PASS
Band5	10	20525	25	#0	QPSK	22.85	-4.3	16.40	PASS
Band5	10	20525	25	#Mid	QPSK	22.87	-4.3	16.42	PASS
Band5	10	20525	25	#Max	QPSK	22.77	-4.3	16.32	PASS
Band5	10	20525	50	#0	QPSK	22.77	-4.3	16.32	PASS
Band5	10	20525	1	#0	16QAM	22.62	-4.3	16.17	PASS
Band5	10	20525	1	#Mid	16QAM	22.79	-4.3	16.34	PASS
Band5	10	20525	1	#Max	16QAM	22.71	-4.3	16.26	PASS
Band5	10	20525	25	#0	16QAM	21.82	-4.3	15.37	PASS
Band5	10	20525	25	#Mid	16QAM	21.84	-4.3	15.39	PASS
Band5	10	20525	25	#Max	16QAM	21.83	-4.3	15.38	PASS
Band5	10	20525	50	#0	16QAM	21.81	-4.3	15.36	PASS
Band5	10	20600	1	#0	QPSK	23.72	-4.3	17.27	PASS
Band5	10	20600	1	#Mid	QPSK	23.92	-4.3	17.47	PASS
Band5	10	20600	1	#Max	QPSK	23.70	-4.3	17.25	PASS
Band5	10	20600	25	#0	QPSK	22.90	-4.3	16.45	PASS
Band5	10	20600	25	#Mid	QPSK	22.86	-4.3	16.41	PASS
Band5	10	20600	25	#Max	QPSK	22.89	-4.3	16.44	PASS
Band5	10	20600	50	#0	QPSK	22.88	-4.3	16.43	PASS
Band5	10	20600	1	#0	16QAM	23.24	-4.3	16.79	PASS
Band5	10	20600	1	#Mid	16QAM	23.31	-4.3	16.86	PASS
Band5	10	20600	1	#Max	16QAM	23.14	-4.3	16.69	PASS
Band5	10	20600	25	#0	16QAM	22.01	-4.3	15.56	PASS

Band5	10	20600	25	#Mid	16QAM	21.90	-4.3	15.45	PASS
Band5	10	20600	25	#Max	16QAM	21.94	-4.3	15.49	PASS
Band5	10	20600	50	#0	16QAM	21.98	-4.3	15.53	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	LV	NT	-9.24	-0.011	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-10.99	-0.013	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-11.96	-0.015	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-12.04	-0.015	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-9.28	-0.011	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-6.11	-0.007	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-2.73	-0.003	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-5.04	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-6.25	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-4.92	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-5.06	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-4.86	-0.006	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-3.49	-0.004	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-3.81	-0.004	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-3.56	-0.004	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-3.73	-0.004	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-4.45	-0.005	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-4.91	-0.006	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-2.83	-0.003	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-5.89	-0.007	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-5.44	-0.007	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-5.62	-0.007	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-9.36	-0.011	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-8.00	-0.010	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-7.30	-0.009	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-5.34	-0.006	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-3.99	-0.005	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-2.62	-0.003	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-2.88	-0.003	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	2.49	0.003	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-6.42	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-7.12	-0.008	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-7.93	-0.009	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-6.52	-0.008	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-6.44	-0.008	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-7.45	-0.009	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	-6.88	-0.008	PASS
Band5	5	20425	25	#0	QPSK	NV	NT	-5.99	-0.007	PASS

Band5	5	20425	25	#0	QPSK	HV	NT	-7.28	-0.009	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	-7.10	-0.009	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	-10.34	-0.013	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	-8.17	-0.010	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-6.25	-0.007	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-3.78	-0.005	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-4.31	-0.005	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-5.98	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-3.30	-0.004	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-8.31	-0.010	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-4.45	-0.005	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-8.31	-0.010	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-7.81	-0.009	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-8.10	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-8.27	-0.010	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-8.65	-0.010	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-9.07	-0.011	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	-8.60	-0.010	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-12.02	-0.014	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	-6.31	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	-8.71	-0.011	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	-7.41	-0.009	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-1.75	-0.002	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-5.92	-0.007	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-5.14	-0.006	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	-6.74	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	-6.19	-0.007	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	-9.87	-0.012	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-7.37	-0.009	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-8.75	-0.010	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-5.62	-0.007	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	-6.18	-0.007	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	-6.09	-0.007	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	-9.64	-0.011	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	-8.25	-0.010	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-5.64	-0.007	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-5.35	-0.006	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-6.22	-0.008	PASS
Band5	1.4	20407	6	#0	QPSK	NV	10	-4.66	-0.006	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-10.83	-0.013	PASS

Band5	1.4	20407	6	#0	QPSK	NV	30	-10.90	-0.013	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-8.68	-0.011	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-4.73	-0.006	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-2.99	-0.004	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-6.27	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-4.58	-0.006	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-6.39	-0.008	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-7.02	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-9.20	-0.011	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-7.62	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-7.27	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-7.22	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-3.18	-0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	-3.40	-0.004	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	-4.39	-0.005	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	-5.29	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	-6.38	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	-5.09	-0.006	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	-6.81	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-6.92	-0.008	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-5.26	-0.006	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	-4.31	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-4.29	-0.005	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-2.70	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-7.85	-0.009	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-10.51	-0.013	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-6.11	-0.007	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-6.85	-0.008	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-8.15	-0.010	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-10.94	-0.013	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-6.71	-0.008	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-5.85	-0.007	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-7.01	-0.008	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-8.33	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-8.90	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	-8.90	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-7.81	-0.009	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-7.20	-0.008	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-5.01	-0.006	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	-3.08	-0.004	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-20	-8.88	-0.010	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-6.95	-0.008	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	-6.39	-0.008	PASS

Band5	1.4	20643	6	#0	16QAM	NV	10	-10.31	-0.012	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-9.41	-0.011	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-7.93	-0.009	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	-9.71	-0.011	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	-4.52	-0.005	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	-8.37	-0.010	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	-5.48	-0.007	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	-4.69	-0.006	PASS
Band5	3	20415	15	#0	QPSK	NV	0	-8.20	-0.010	PASS
Band5	3	20415	15	#0	QPSK	NV	10	-6.78	-0.008	PASS
Band5	3	20415	15	#0	QPSK	NV	20	-7.30	-0.009	PASS
Band5	3	20415	15	#0	QPSK	NV	30	-7.14	-0.009	PASS
Band5	3	20415	15	#0	QPSK	NV	40	-5.65	-0.007	PASS
Band5	3	20415	15	#0	QPSK	NV	50	-8.55	-0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	-7.67	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	-8.93	-0.011	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	-6.97	-0.008	PASS
Band5	3	20415	15	#0	16QAM	NV	0	-6.75	-0.008	PASS
Band5	3	20415	15	#0	16QAM	NV	10	-8.03	-0.010	PASS
Band5	3	20415	15	#0	16QAM	NV	20	-7.07	-0.009	PASS
Band5	3	20415	15	#0	16QAM	NV	30	-4.33	-0.005	PASS
Band5	3	20415	15	#0	16QAM	NV	40	-3.89	-0.005	PASS
Band5	3	20415	15	#0	16QAM	NV	50	-3.30	-0.004	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	-1.22	-0.001	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	-3.03	-0.004	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	-6.78	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	0	-6.19	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	10	-5.41	-0.006	PASS
Band5	3	20525	15	#0	QPSK	NV	20	-6.45	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	30	-8.45	-0.010	PASS
Band5	3	20525	15	#0	QPSK	NV	40	-7.05	-0.008	PASS
Band5	3	20525	15	#0	QPSK	NV	50	-6.38	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	-5.94	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	-1.26	-0.002	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	-4.98	-0.006	PASS
Band5	3	20525	15	#0	16QAM	NV	0	-3.36	-0.004	PASS
Band5	3	20525	15	#0	16QAM	NV	10	-6.92	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	20	-5.54	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	30	-4.43	-0.005	PASS
Band5	3	20525	15	#0	16QAM	NV	40	-6.88	-0.008	PASS
Band5	3	20525	15	#0	16QAM	NV	50	-5.05	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	-2.98	-0.004	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	-2.62	-0.003	PASS

Band5	3	20635	15	#0	QPSK	NV	-10	-5.66	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	0	-4.95	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	10	-6.28	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	20	-5.92	-0.007	PASS
Band5	3	20635	15	#0	QPSK	NV	30	-6.47	-0.008	PASS
Band5	3	20635	15	#0	QPSK	NV	40	-14.86	-0.018	PASS
Band5	3	20635	15	#0	QPSK	NV	50	-10.76	-0.013	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	-8.00	-0.009	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	-5.76	-0.007	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	-4.55	-0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	0	-8.07	-0.010	PASS
Band5	3	20635	15	#0	16QAM	NV	10	-7.64	-0.009	PASS
Band5	3	20635	15	#0	16QAM	NV	20	-6.14	-0.007	PASS
Band5	3	20635	15	#0	16QAM	NV	30	-6.90	-0.008	PASS
Band5	3	20635	15	#0	16QAM	NV	40	-6.67	-0.008	PASS
Band5	3	20635	15	#0	16QAM	NV	50	-6.25	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	-10.30	-0.012	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	-5.45	-0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	-5.26	-0.006	PASS
Band5	5	20425	25	#0	QPSK	NV	0	-5.21	-0.006	PASS
Band5	5	20425	25	#0	QPSK	NV	10	-10.49	-0.013	PASS
Band5	5	20425	25	#0	QPSK	NV	20	-9.18	-0.011	PASS
Band5	5	20425	25	#0	QPSK	NV	30	-6.44	-0.008	PASS
Band5	5	20425	25	#0	QPSK	NV	40	-3.22	-0.004	PASS
Band5	5	20425	25	#0	QPSK	NV	50	-6.41	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	-5.78	-0.007	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	-4.73	-0.006	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	-4.52	-0.005	PASS
Band5	5	20425	25	#0	16QAM	NV	0	-6.68	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	10	-5.88	-0.007	PASS
Band5	5	20425	25	#0	16QAM	NV	20	-5.29	-0.006	PASS
Band5	5	20425	25	#0	16QAM	NV	30	-8.23	-0.010	PASS
Band5	5	20425	25	#0	16QAM	NV	40	-6.74	-0.008	PASS
Band5	5	20425	25	#0	16QAM	NV	50	-4.72	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	-8.44	-0.010	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	-5.45	-0.007	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	-4.76	-0.006	PASS
Band5	5	20525	25	#0	QPSK	NV	0	-7.12	-0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	10	-3.98	-0.005	PASS
Band5	5	20525	25	#0	QPSK	NV	20	-7.00	-0.008	PASS
Band5	5	20525	25	#0	QPSK	NV	30	-8.54	-0.010	PASS
Band5	5	20525	25	#0	QPSK	NV	40	-7.87	-0.009	PASS
Band5	5	20525	25	#0	QPSK	NV	50	-6.69	-0.008	PASS

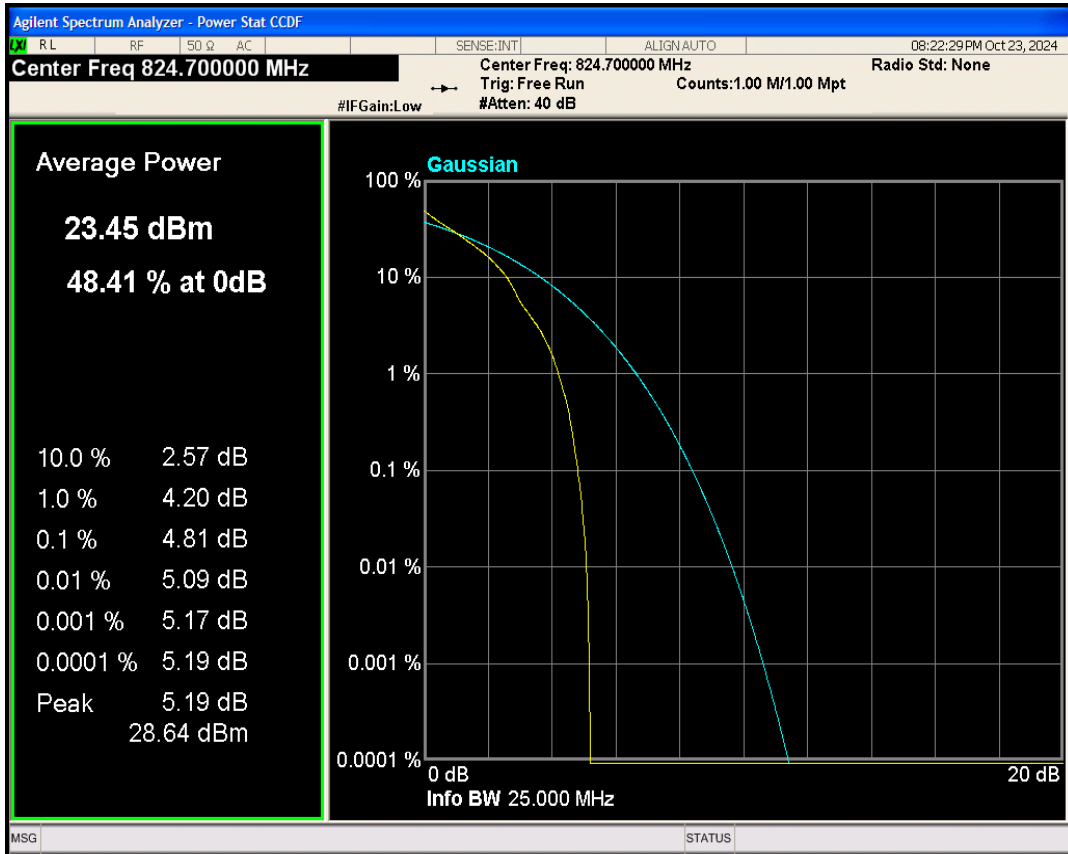
Band5	5	20525	25	#0	16QAM	NV	-30	-9.33	-0.011	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	-7.37	-0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	-6.68	-0.008	PASS
Band5	5	20525	25	#0	16QAM	NV	0	-6.21	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	10	-5.41	-0.006	PASS
Band5	5	20525	25	#0	16QAM	NV	20	-4.23	-0.005	PASS
Band5	5	20525	25	#0	16QAM	NV	30	-7.70	-0.009	PASS
Band5	5	20525	25	#0	16QAM	NV	40	-5.82	-0.007	PASS
Band5	5	20525	25	#0	16QAM	NV	50	-5.76	-0.007	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	-4.92	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	-6.37	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	-4.92	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	0	-6.58	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	10	-6.95	-0.008	PASS
Band5	5	20625	25	#0	QPSK	NV	20	-5.15	-0.006	PASS
Band5	5	20625	25	#0	QPSK	NV	30	-8.17	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	40	-8.18	-0.010	PASS
Band5	5	20625	25	#0	QPSK	NV	50	-7.82	-0.009	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	-7.91	-0.009	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	-8.08	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	-8.38	-0.010	PASS
Band5	5	20625	25	#0	16QAM	NV	0	-9.41	-0.011	PASS
Band5	5	20625	25	#0	16QAM	NV	10	-10.61	-0.013	PASS
Band5	5	20625	25	#0	16QAM	NV	20	-6.71	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	30	-6.55	-0.008	PASS
Band5	5	20625	25	#0	16QAM	NV	40	-5.11	-0.006	PASS
Band5	5	20625	25	#0	16QAM	NV	50	-3.50	-0.004	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	-7.28	-0.009	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	-8.14	-0.010	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	-6.37	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	0	-4.33	-0.005	PASS
Band5	10	20450	50	#0	QPSK	NV	10	-4.62	-0.006	PASS
Band5	10	20450	50	#0	QPSK	NV	20	-6.17	-0.007	PASS
Band5	10	20450	50	#0	QPSK	NV	30	-6.78	-0.008	PASS
Band5	10	20450	50	#0	QPSK	NV	40	-8.90	-0.011	PASS
Band5	10	20450	50	#0	QPSK	NV	50	-8.91	-0.011	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	-3.82	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	-20	-2.88	-0.003	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	-4.81	-0.006	PASS
Band5	10	20450	50	#0	16QAM	NV	0	-3.65	-0.004	PASS
Band5	10	20450	50	#0	16QAM	NV	10	-3.58	-0.004	PASS
Band5	10	20450	50	#0	16QAM	NV	20	-6.35	-0.008	PASS
Band5	10	20450	50	#0	16QAM	NV	30	-2.12	-0.003	PASS

Band5	10	20450	50	#0	16QAM	NV	40	-3.96	-0.005	PASS
Band5	10	20450	50	#0	16QAM	NV	50	-5.19	-0.006	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	-6.92	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-5.99	-0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-6.31	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	0	-6.85	-0.008	PASS
Band5	10	20525	50	#0	QPSK	NV	10	-8.35	-0.010	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-9.51	-0.011	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-8.90	-0.011	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-10.06	-0.012	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-8.68	-0.010	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	-6.71	-0.008	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	-3.78	-0.005	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	-7.47	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	0	-8.15	-0.010	PASS
Band5	10	20525	50	#0	16QAM	NV	10	-8.11	-0.010	PASS
Band5	10	20525	50	#0	16QAM	NV	20	-7.48	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	30	-6.05	-0.007	PASS
Band5	10	20525	50	#0	16QAM	NV	40	-7.17	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	50	-6.58	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	-4.46	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	-3.33	-0.004	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	-3.88	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	0	-5.01	-0.006	PASS
Band5	10	20600	50	#0	QPSK	NV	10	-9.60	-0.011	PASS
Band5	10	20600	50	#0	QPSK	NV	20	-7.01	-0.008	PASS
Band5	10	20600	50	#0	QPSK	NV	30	-3.85	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	40	-5.51	-0.007	PASS
Band5	10	20600	50	#0	QPSK	NV	50	-4.61	-0.005	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	-3.36	-0.004	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	-4.11	-0.005	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	-1.19	-0.001	PASS
Band5	10	20600	50	#0	16QAM	NV	0	-1.69	-0.002	PASS
Band5	10	20600	50	#0	16QAM	NV	10	-4.43	-0.005	PASS
Band5	10	20600	50	#0	16QAM	NV	20	-4.55	-0.005	PASS
Band5	10	20600	50	#0	16QAM	NV	30	-3.10	-0.004	PASS
Band5	10	20600	50	#0	16QAM	NV	40	-3.25	-0.004	PASS
Band5	10	20600	50	#0	16QAM	NV	50	-3.73	-0.004	PASS

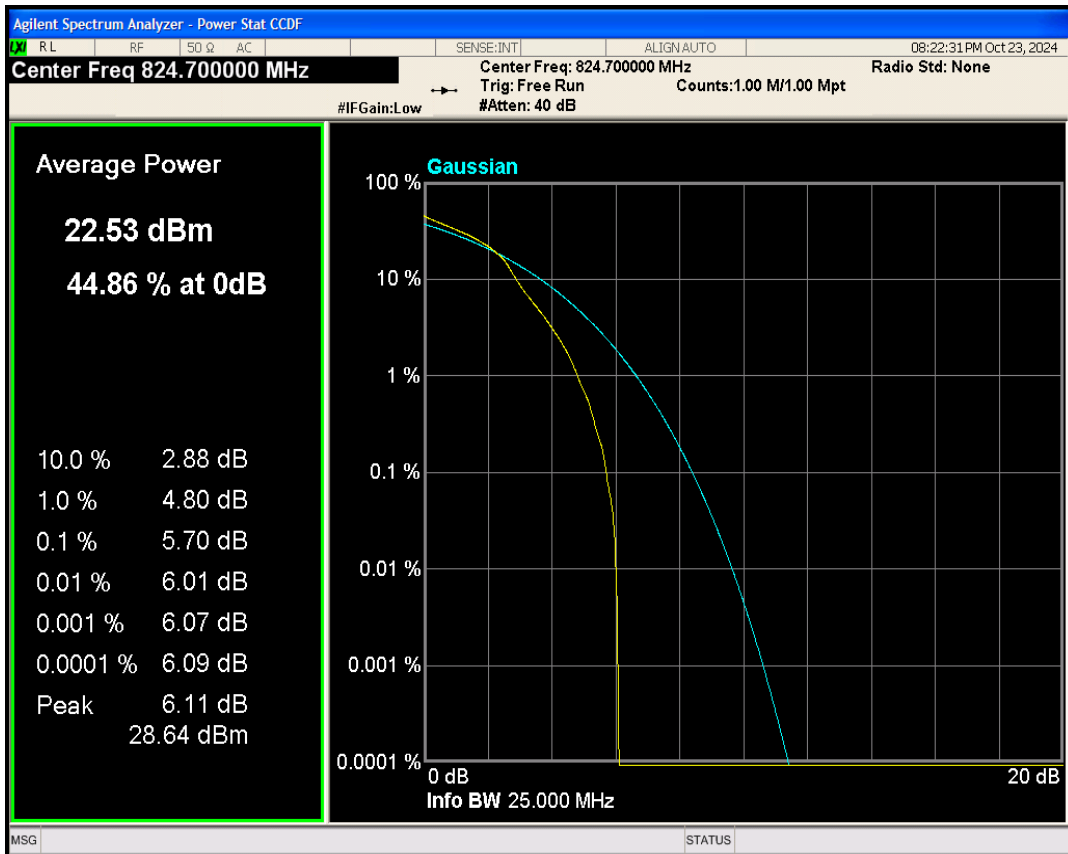
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	4.81	13	PASS
Band5	1.4	20407	1	#0	16QAM	5.70	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.18	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.84	13	PASS
Band5	1.4	20643	1	#0	QPSK	4.29	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.16	13	PASS
Band5	3	20415	1	#0	QPSK	4.84	13	PASS
Band5	3	20415	1	#0	16QAM	5.79	13	PASS
Band5	3	20525	1	#0	QPSK	5.10	13	PASS
Band5	3	20525	1	#0	16QAM	5.76	13	PASS
Band5	3	20635	1	#0	QPSK	4.56	13	PASS
Band5	3	20635	1	#0	16QAM	5.37	13	PASS
Band5	5	20425	1	#0	QPSK	4.88	13	PASS
Band5	5	20425	1	#0	16QAM	5.56	13	PASS
Band5	5	20525	1	#0	QPSK	5.57	13	PASS
Band5	5	20525	1	#0	16QAM	5.99	13	PASS
Band5	5	20625	1	#0	QPSK	5.22	13	PASS
Band5	5	20625	1	#0	16QAM	5.69	13	PASS
Band5	10	20450	1	#0	QPSK	4.73	13	PASS
Band5	10	20450	1	#0	16QAM	5.66	13	PASS
Band5	10	20525	1	#0	QPSK	4.57	13	PASS
Band5	10	20525	1	#0	16QAM	5.24	13	PASS
Band5	10	20600	1	#0	QPSK	5.10	13	PASS
Band5	10	20600	1	#0	16QAM	5.83	13	PASS

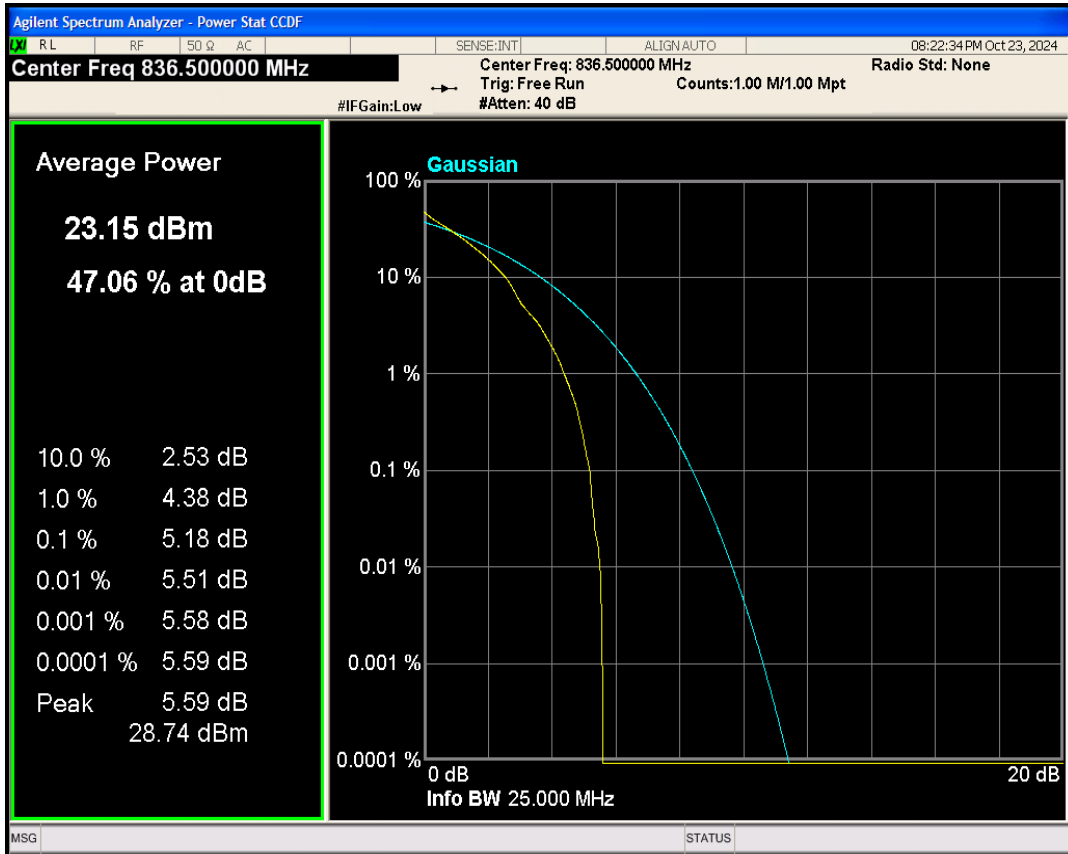
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



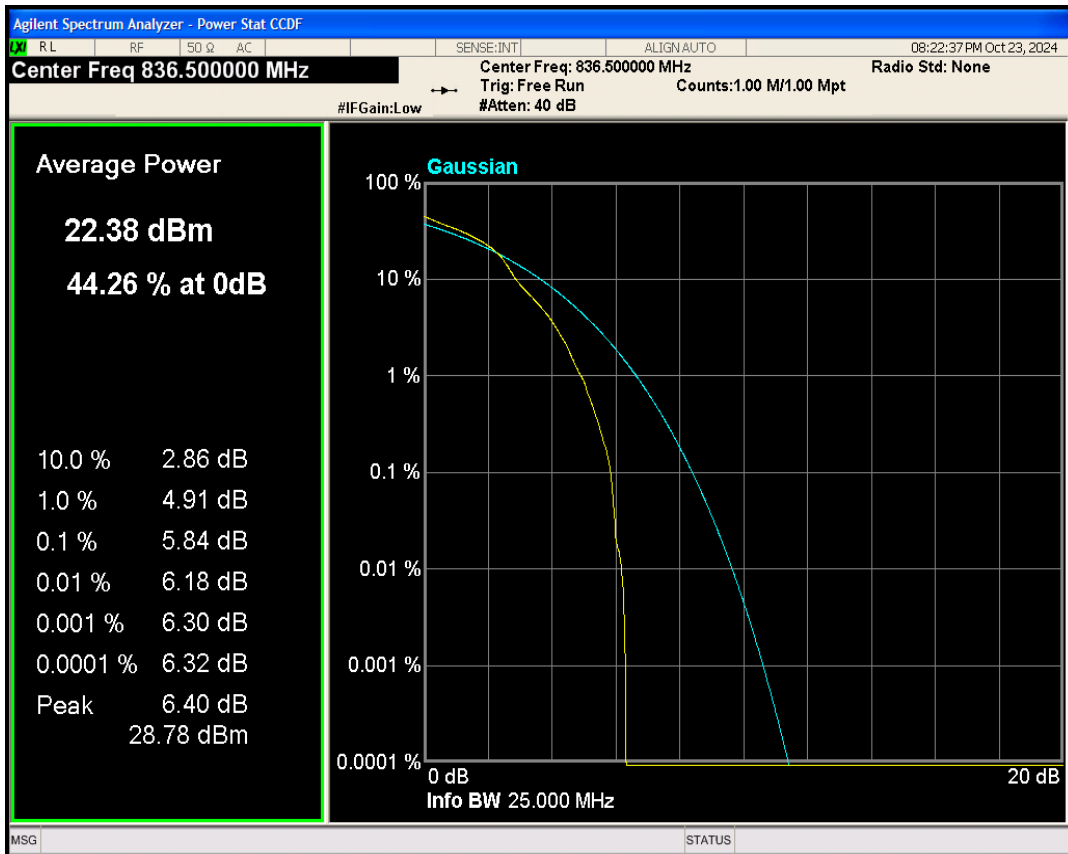
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



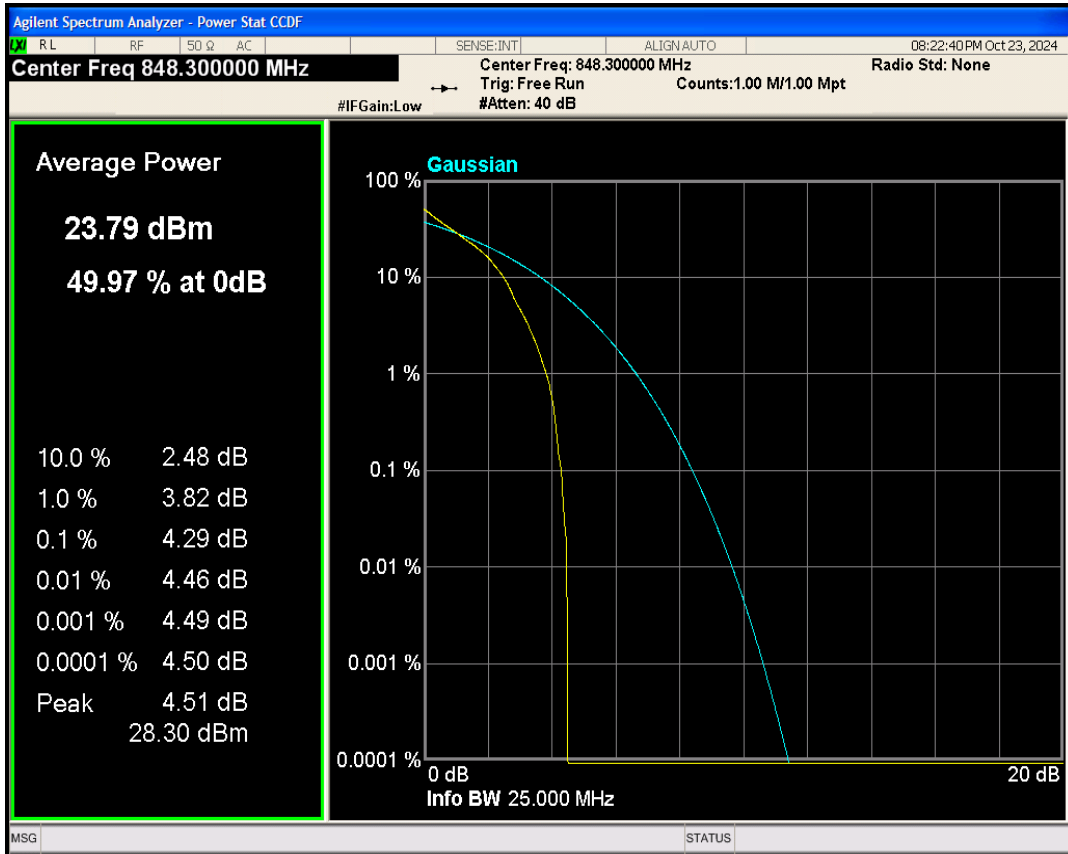
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



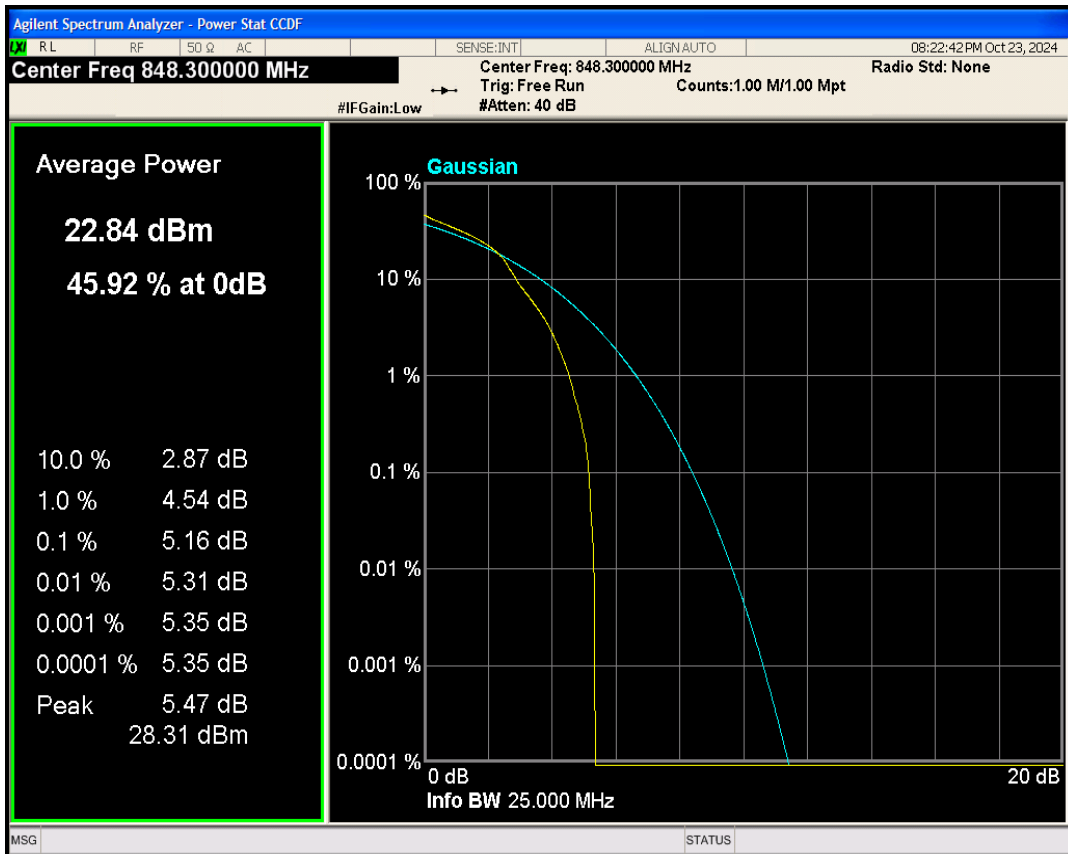
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



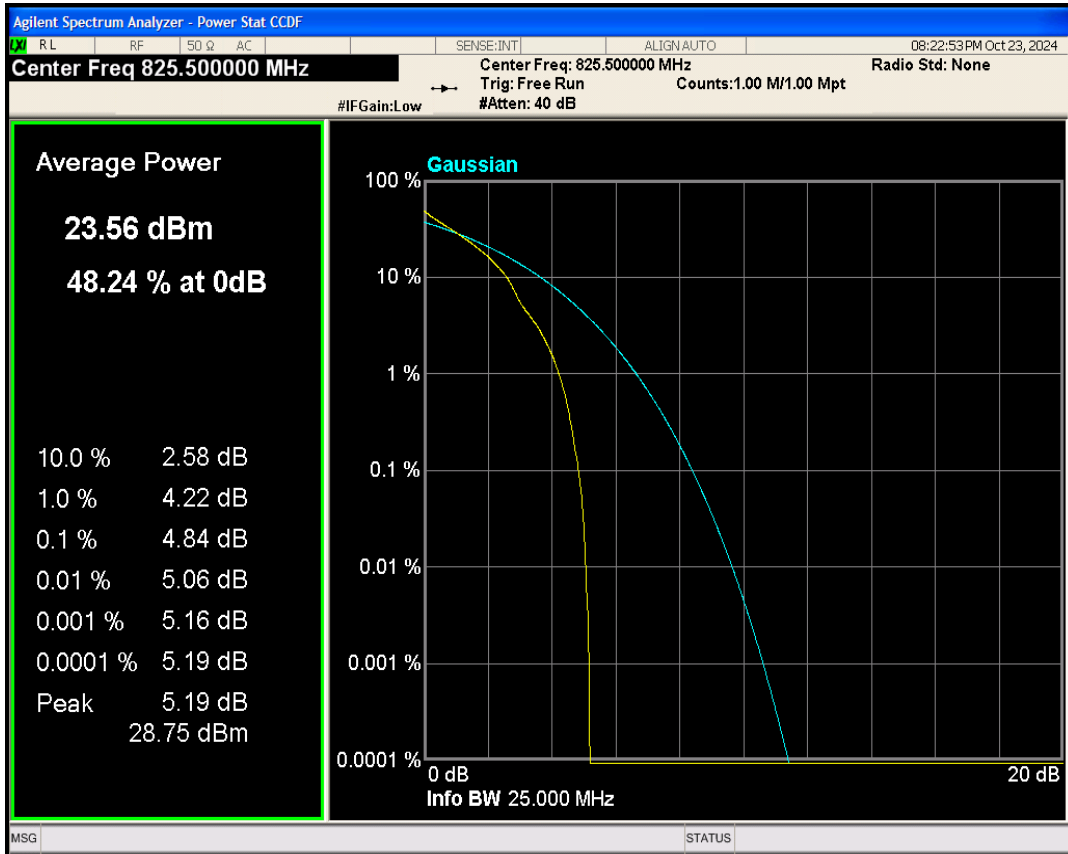
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



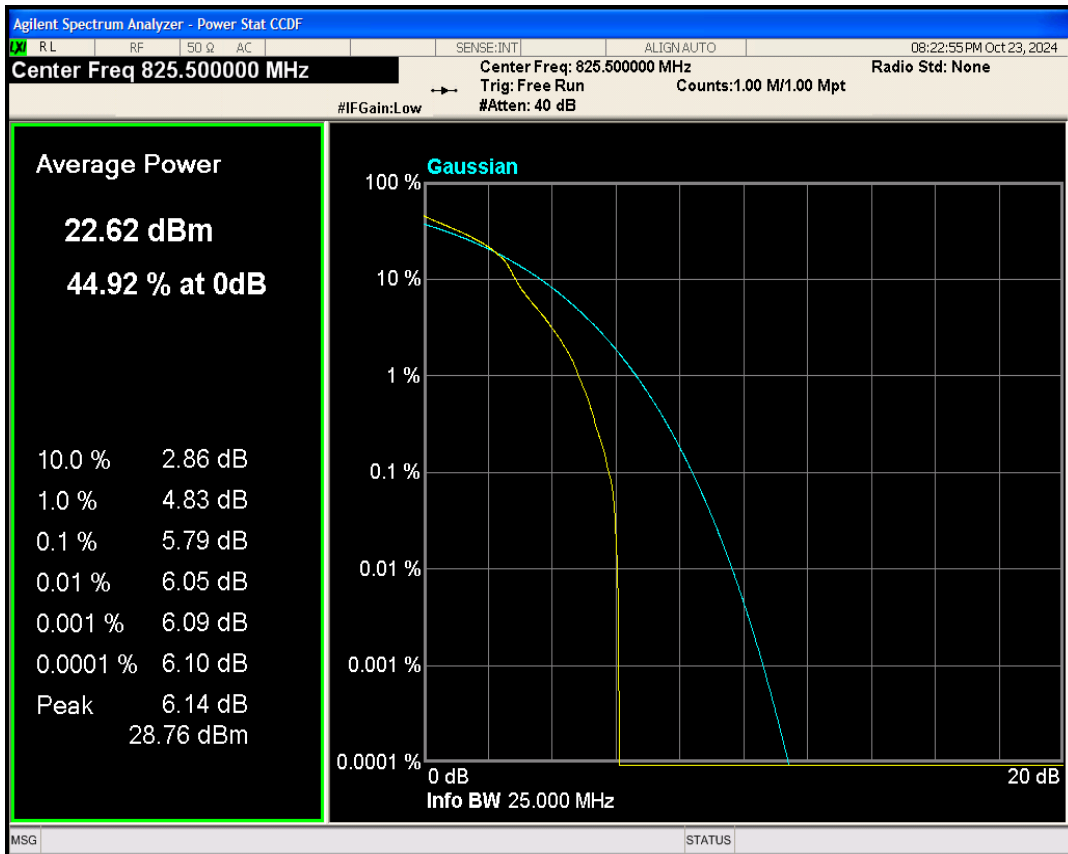
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



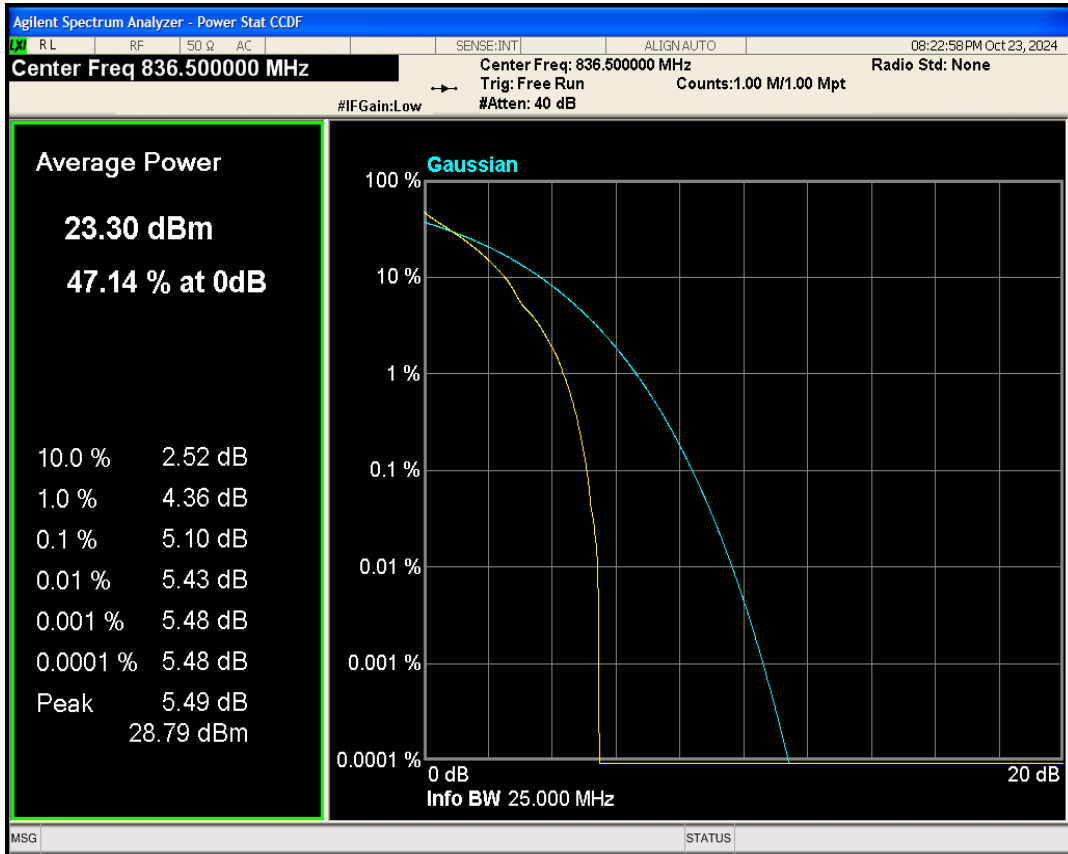
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



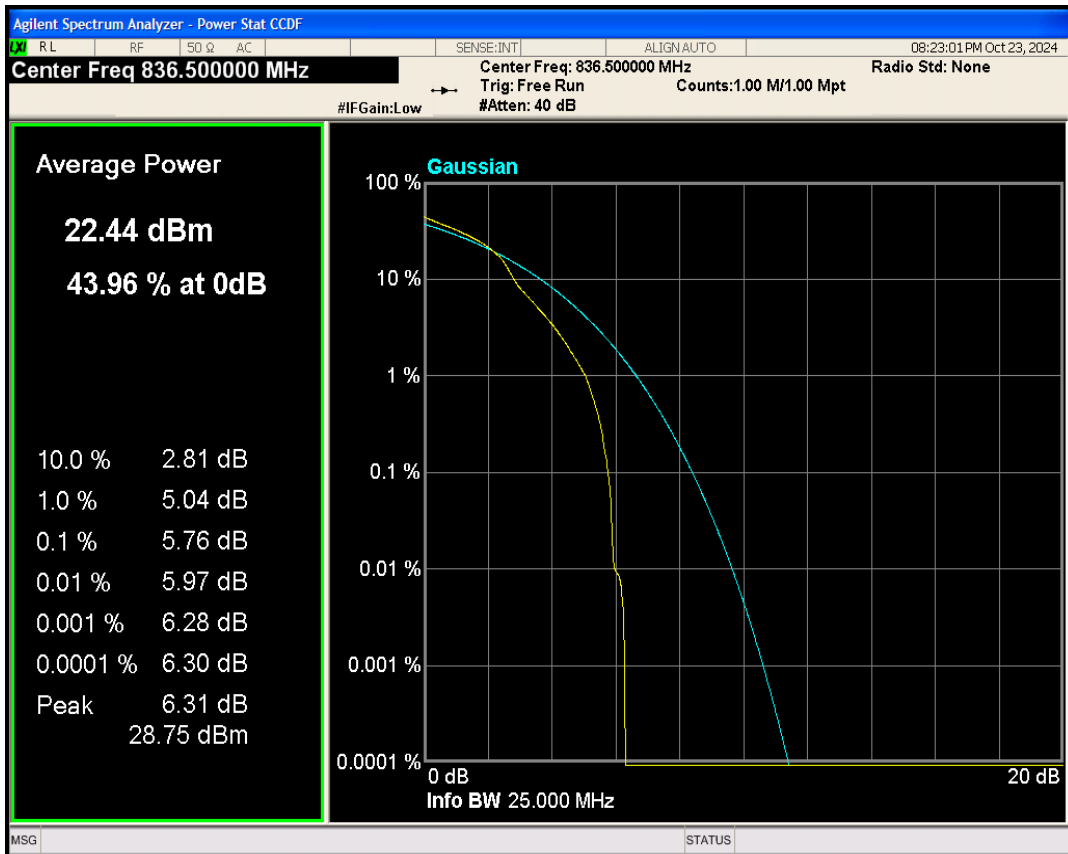
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



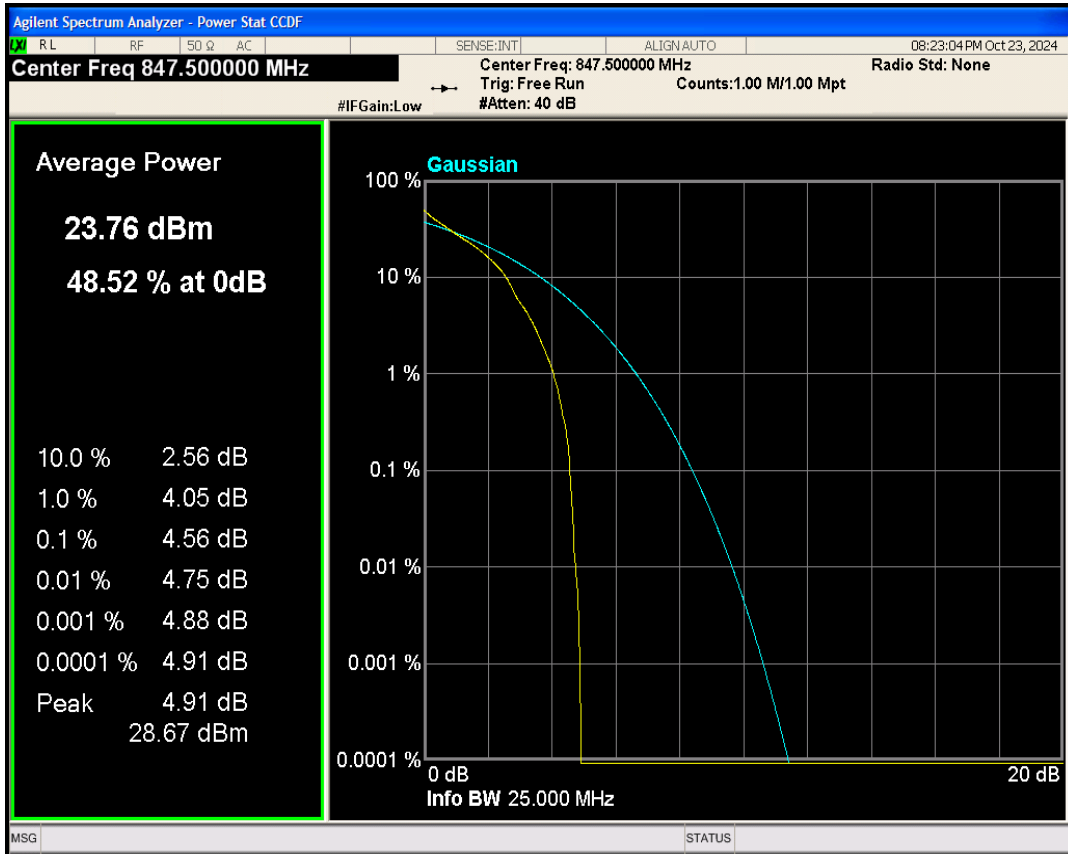
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



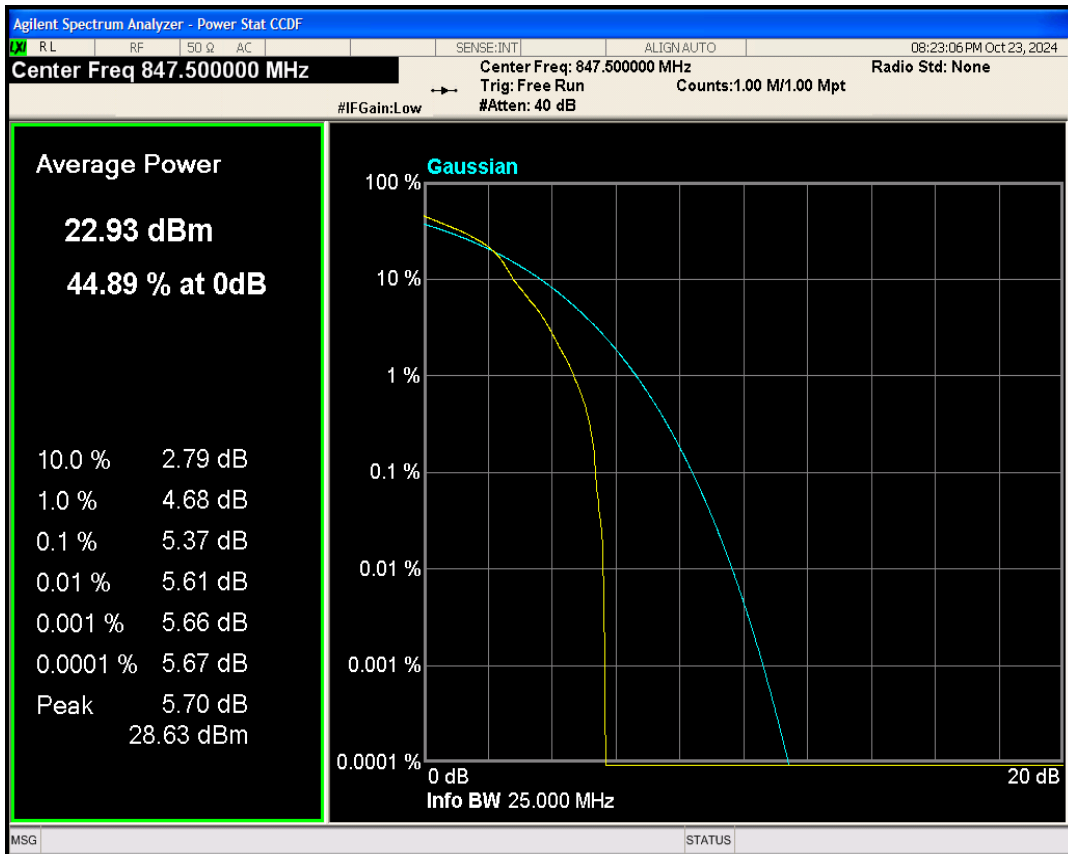
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



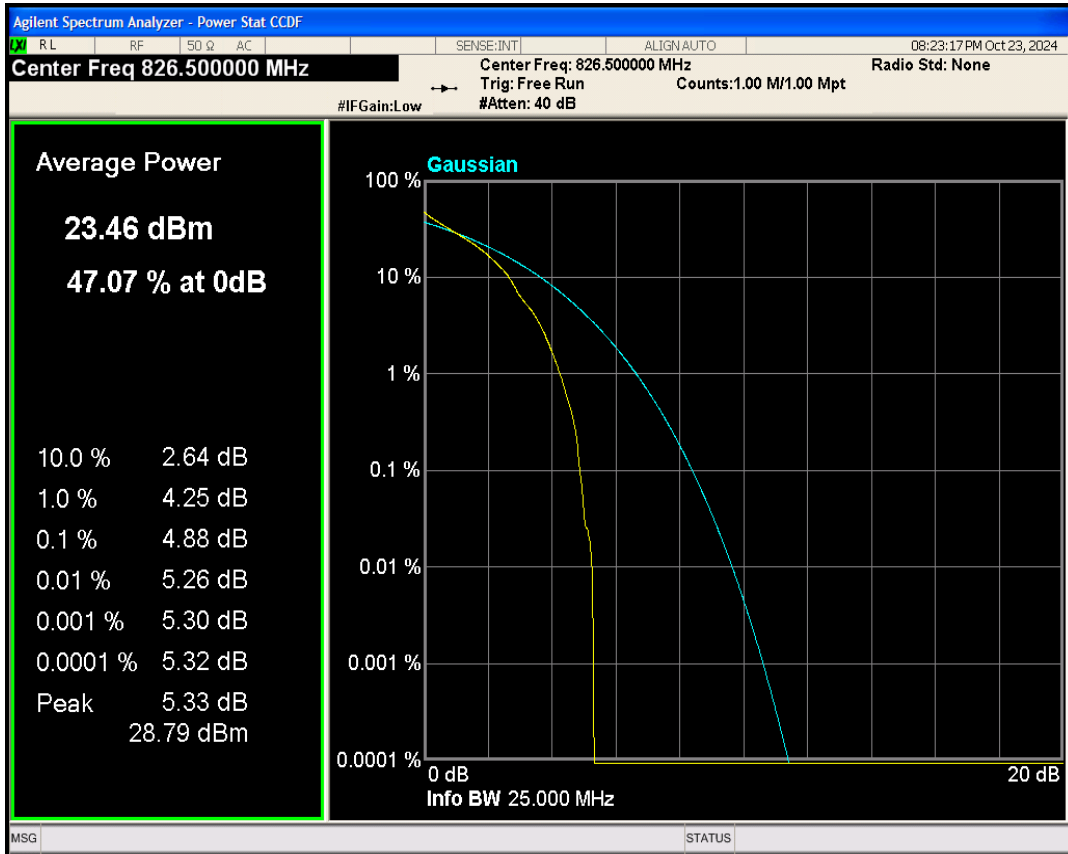
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



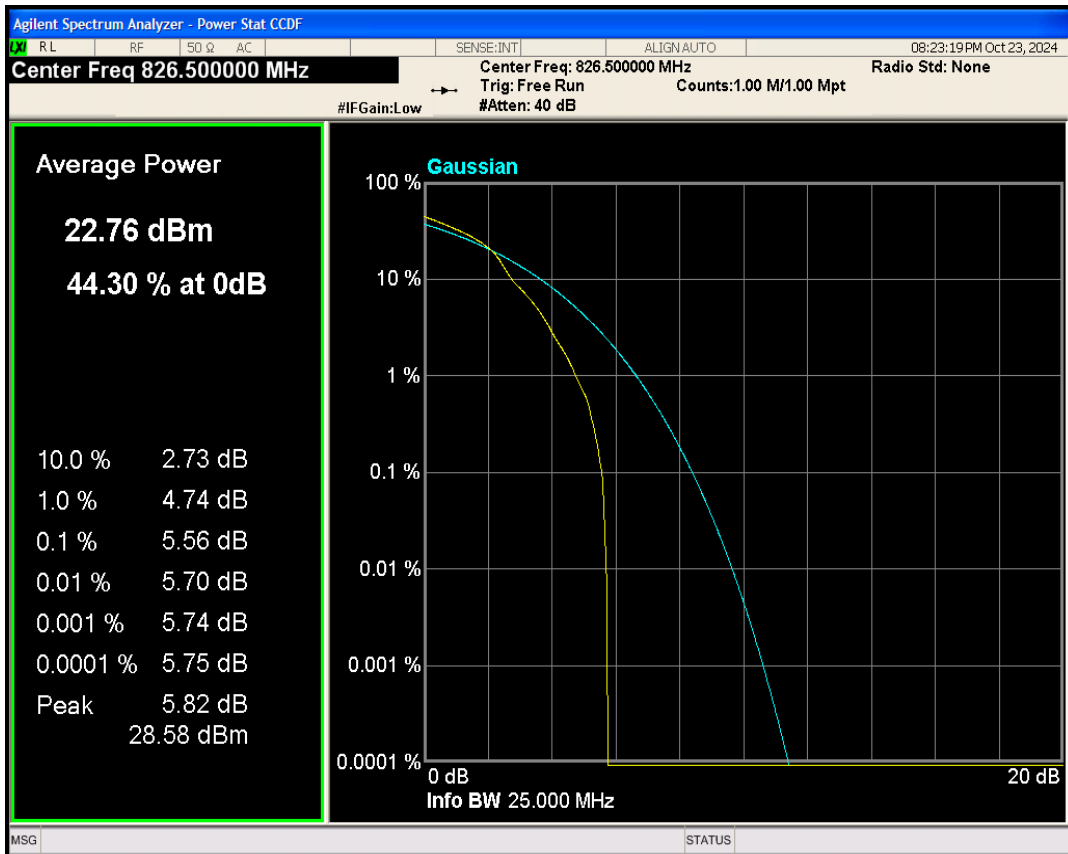
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



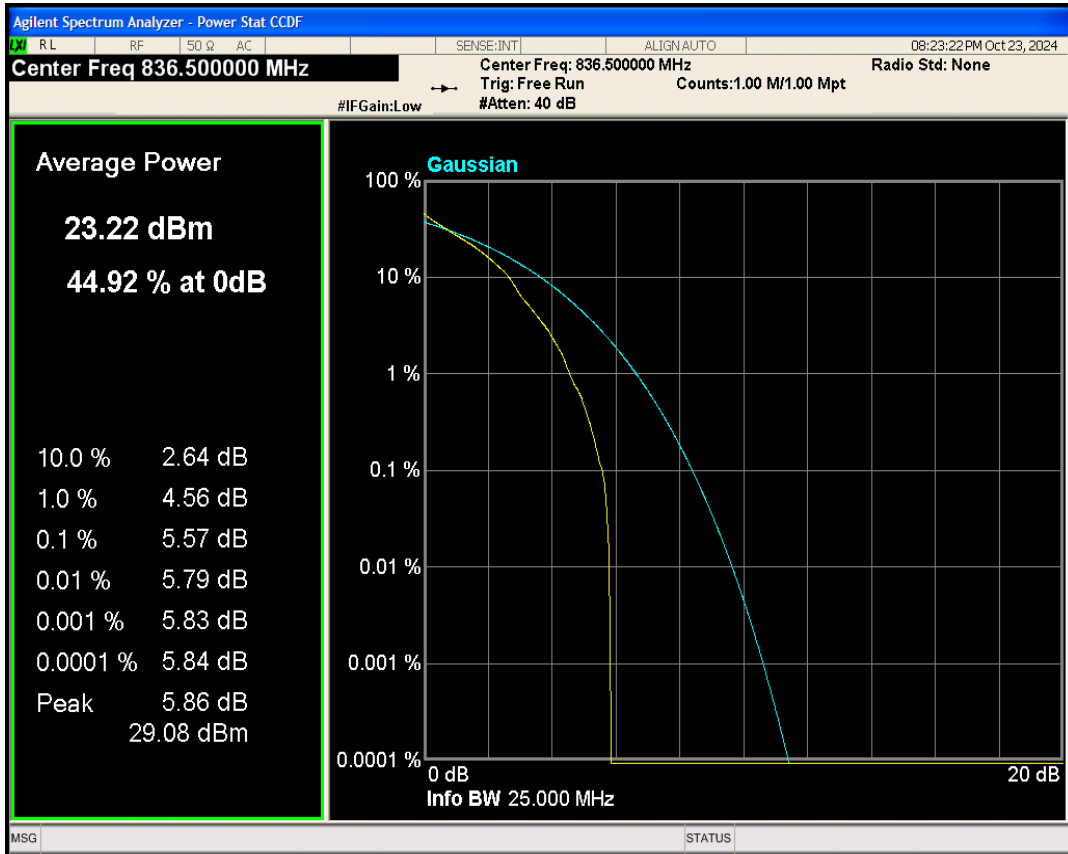
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



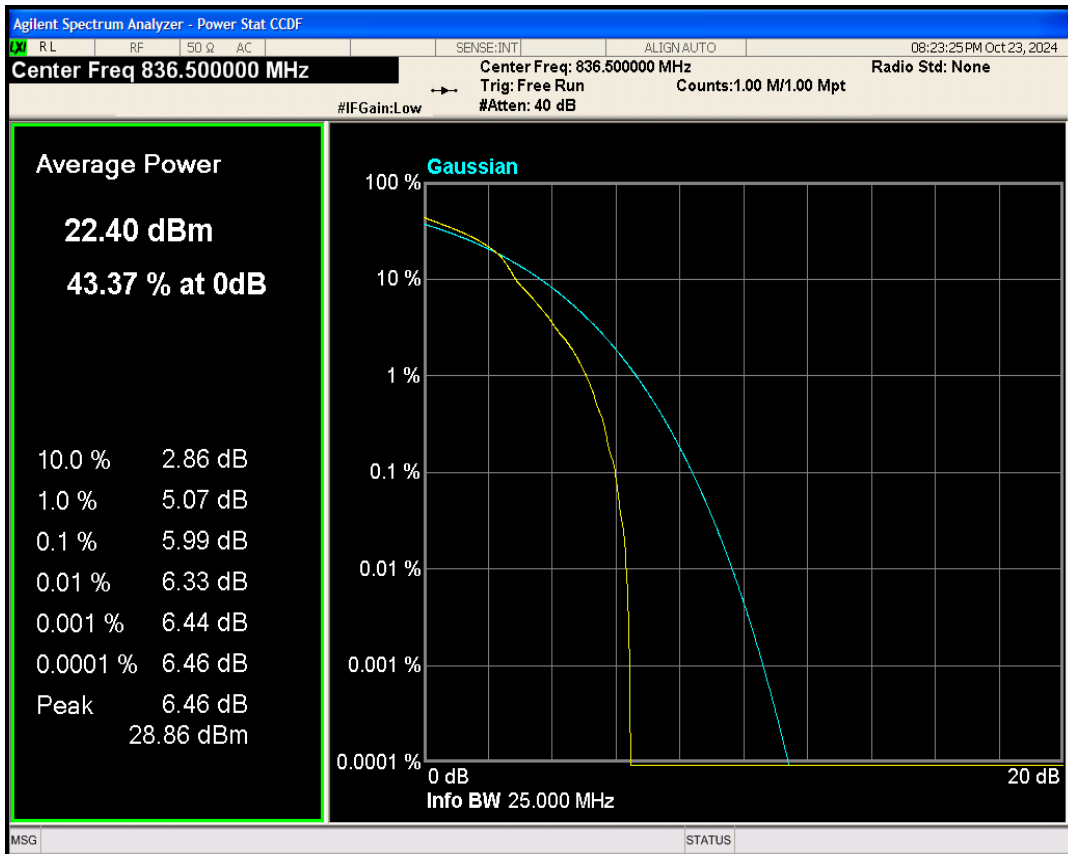
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



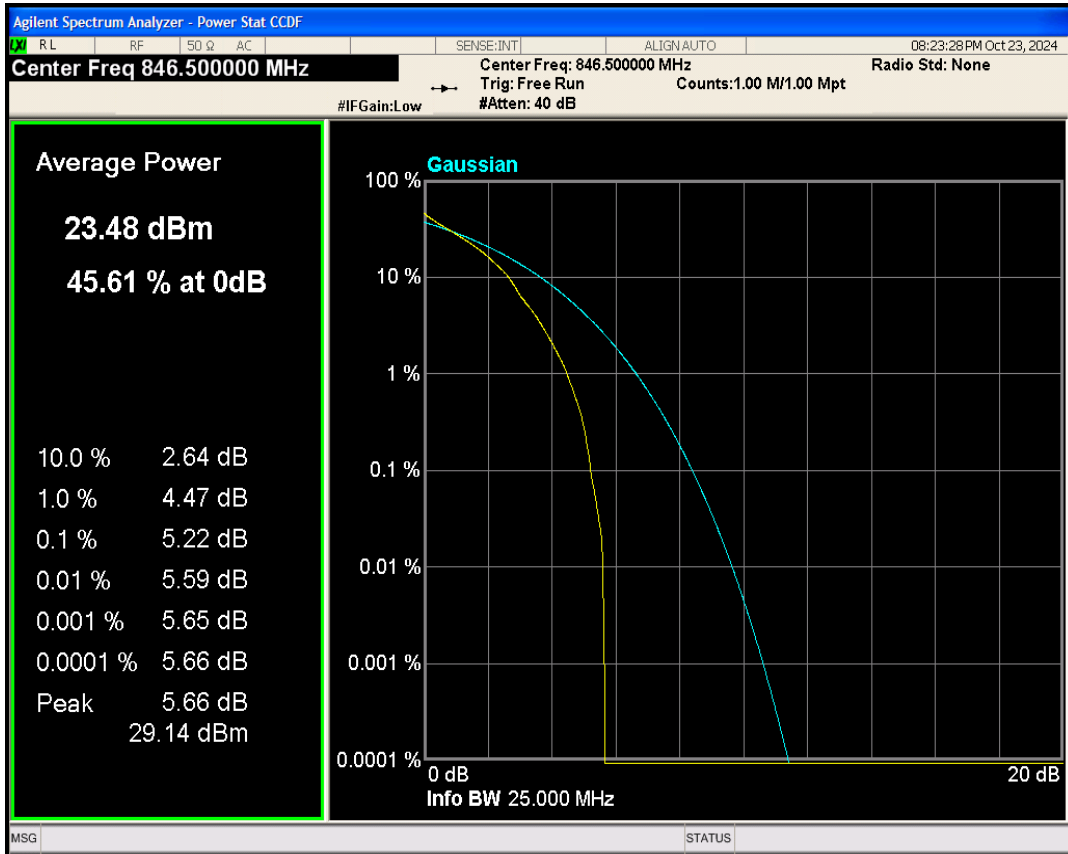
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



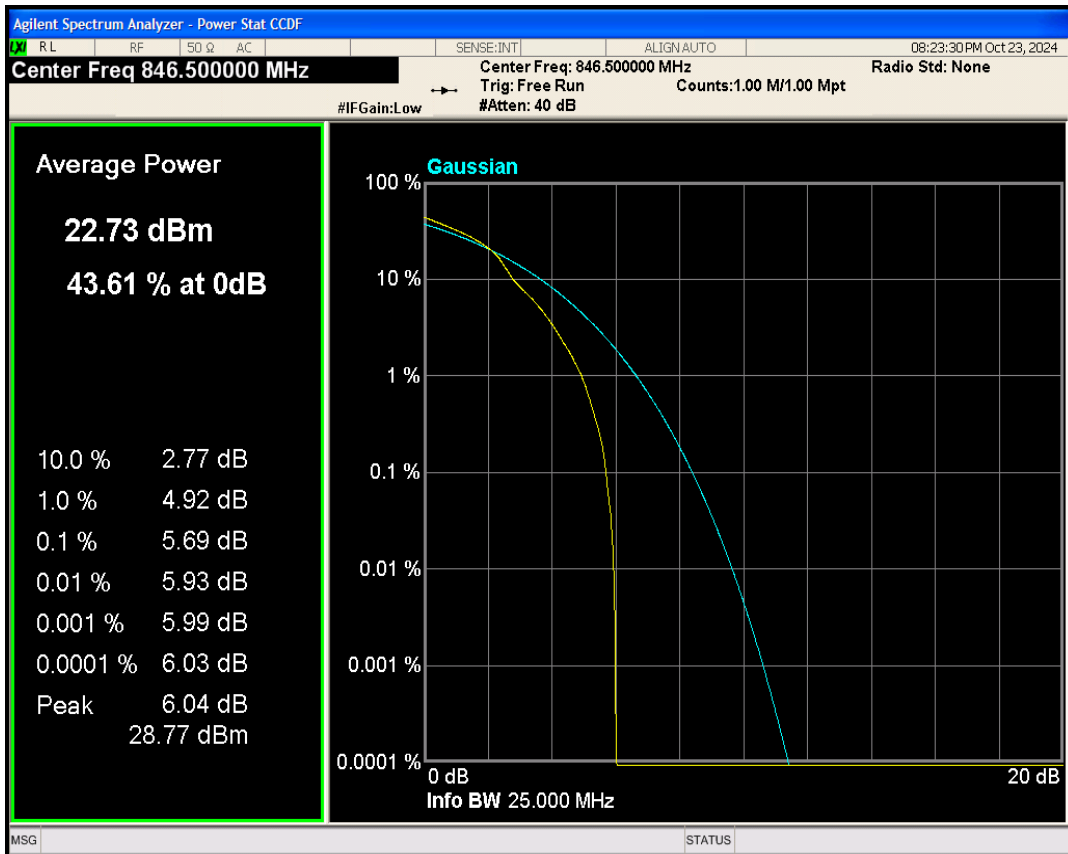
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



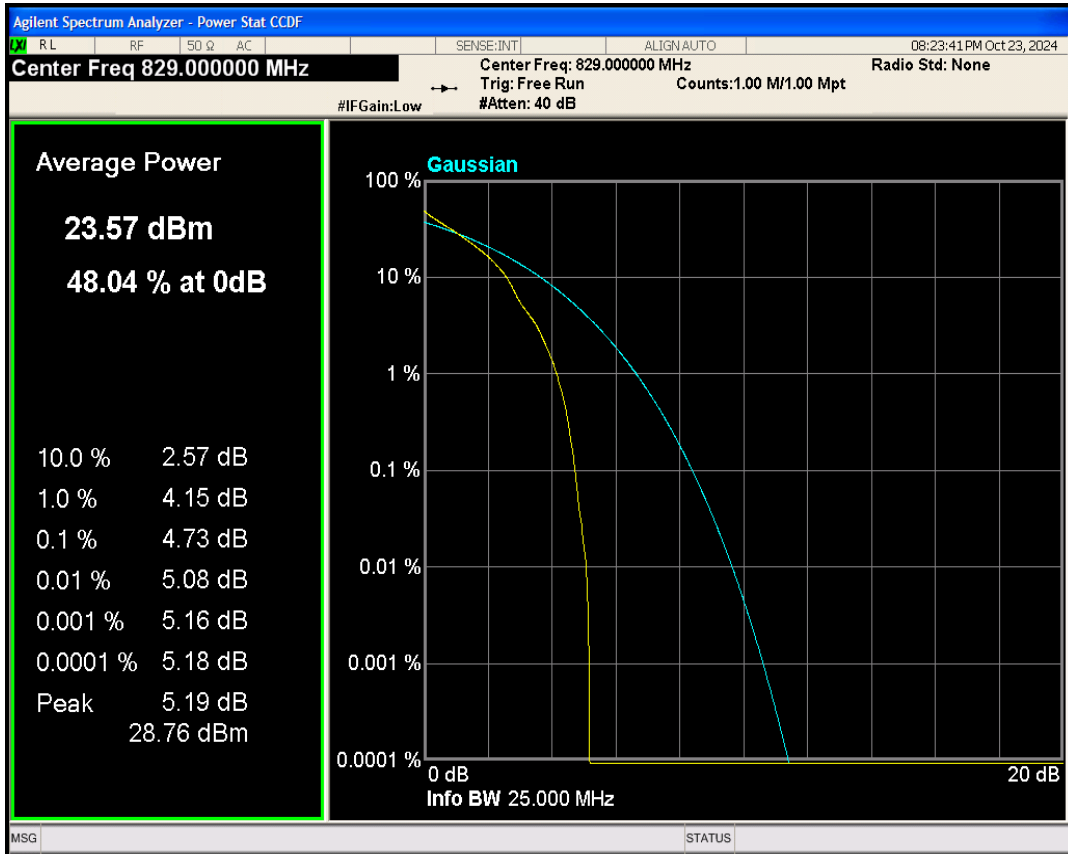
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



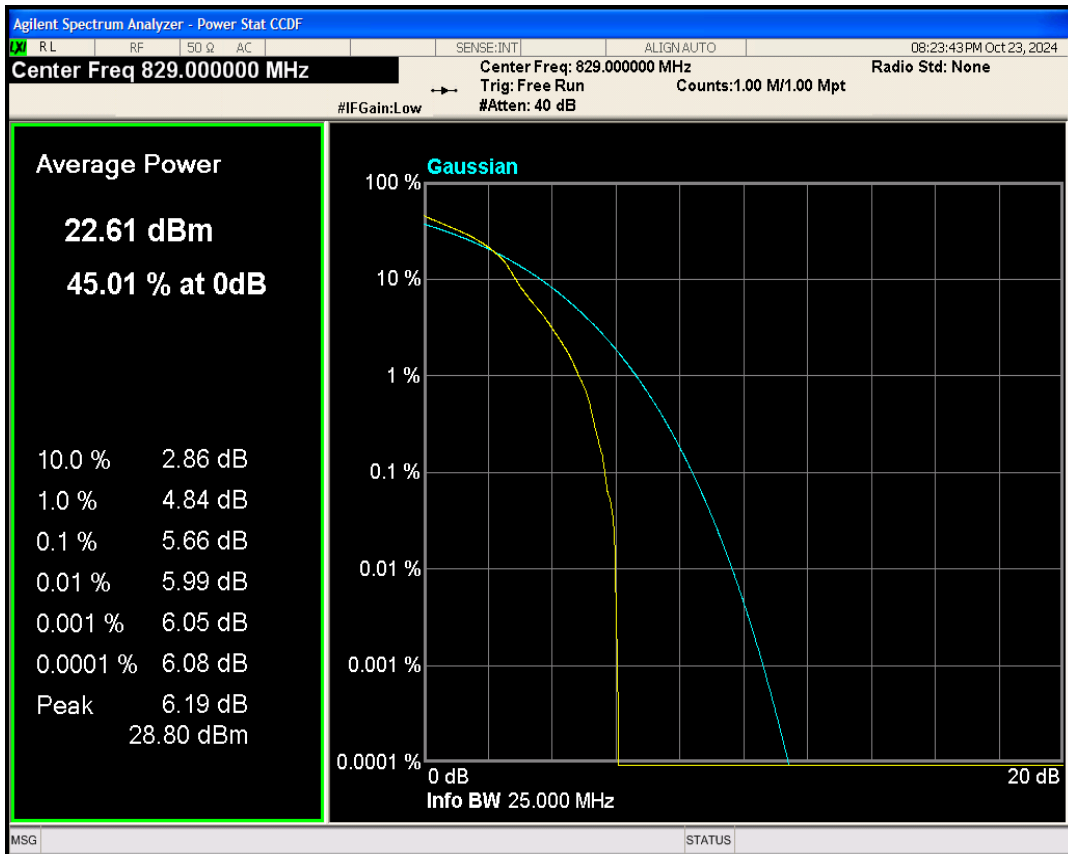
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



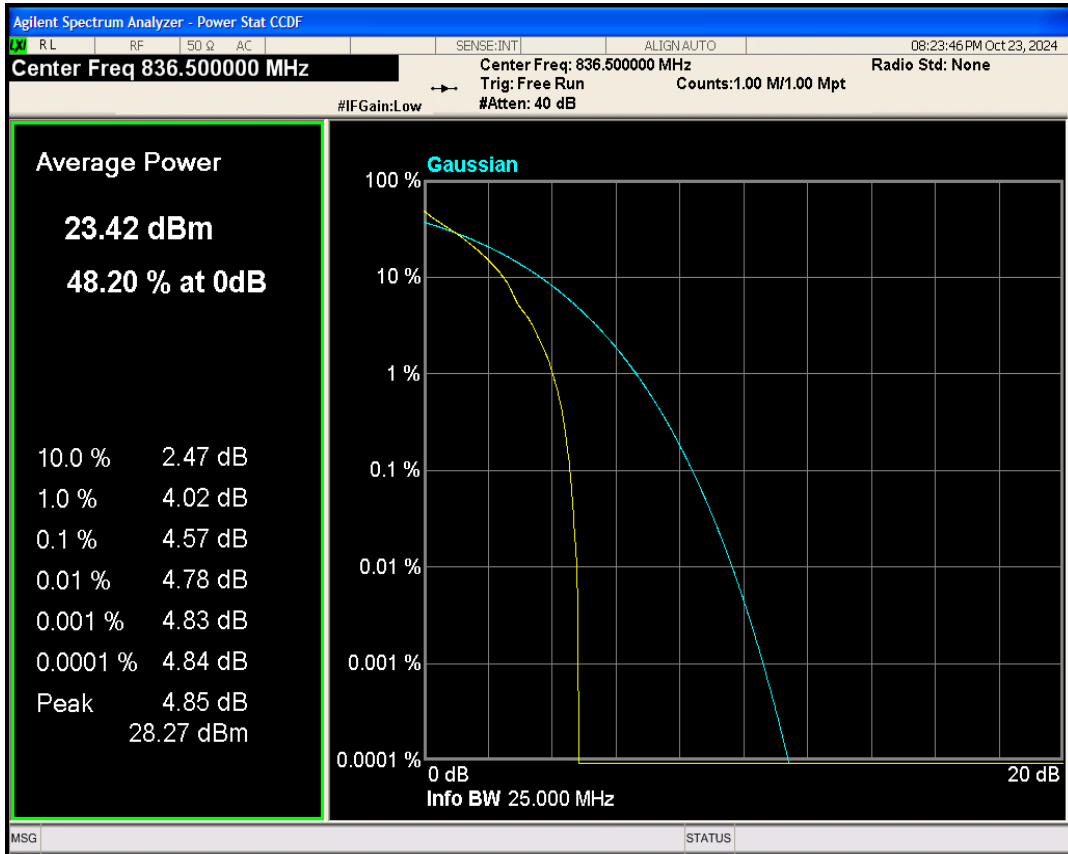
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



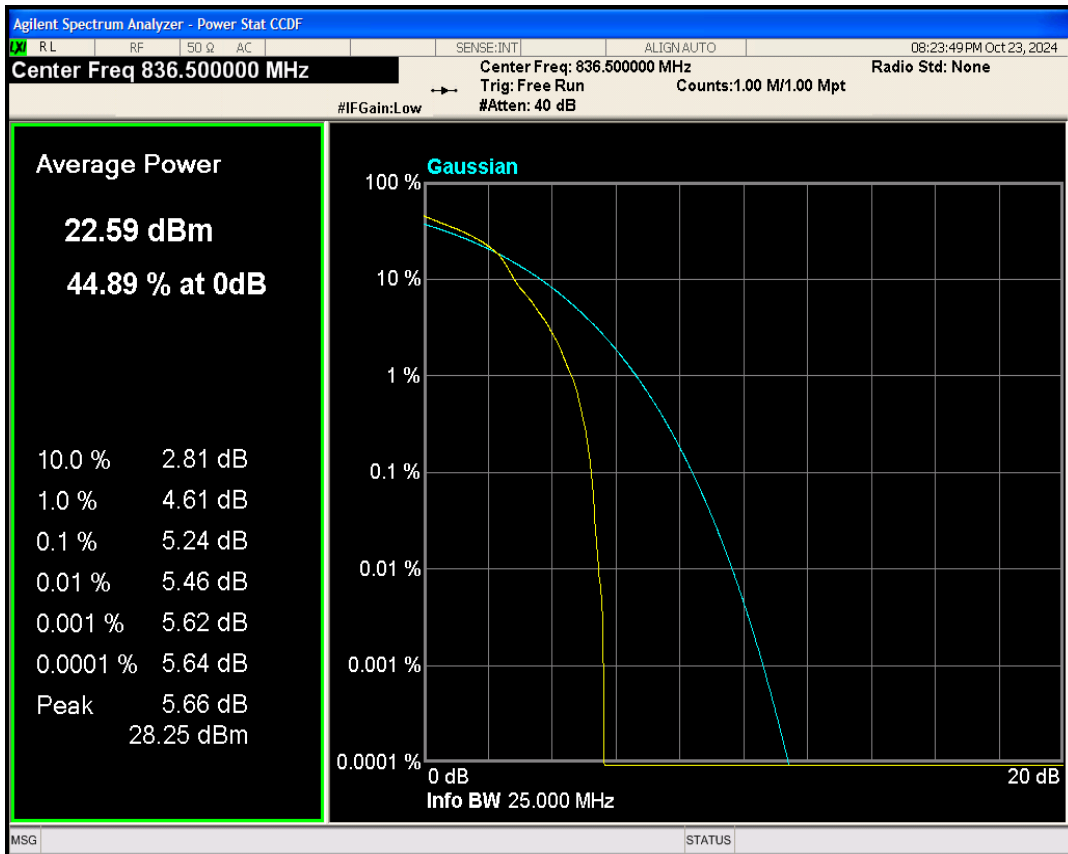
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



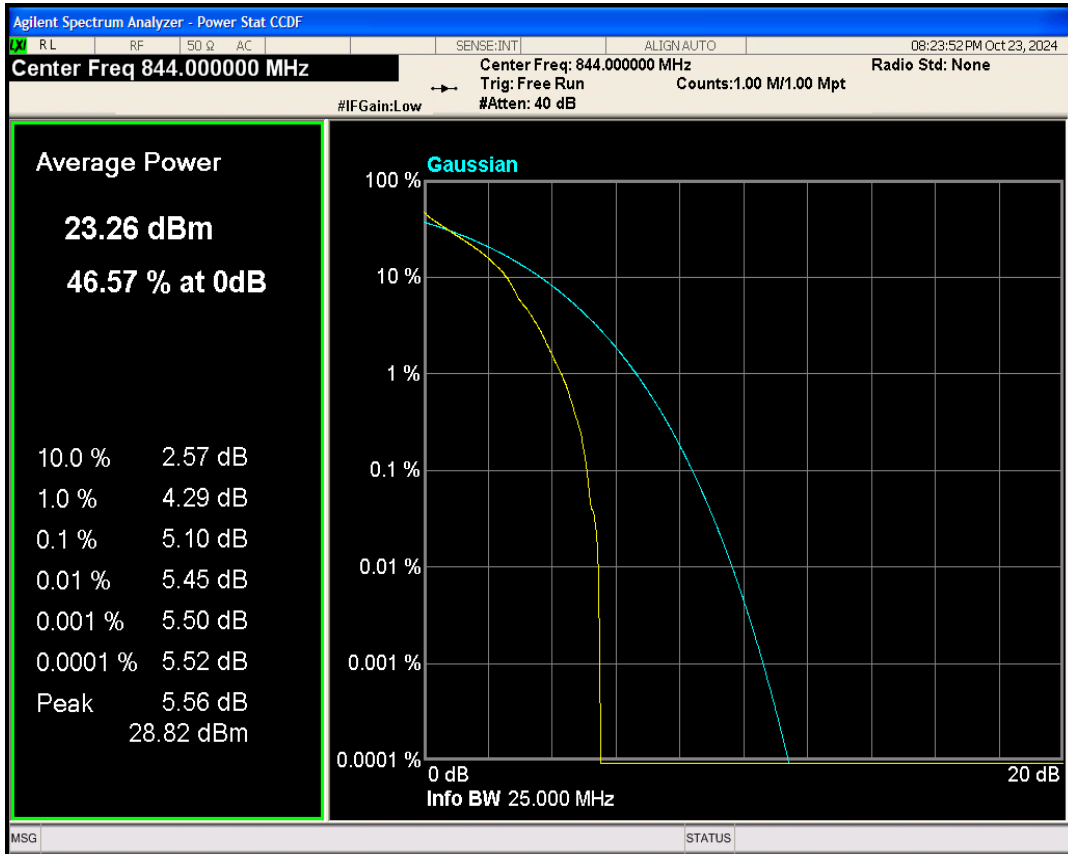
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



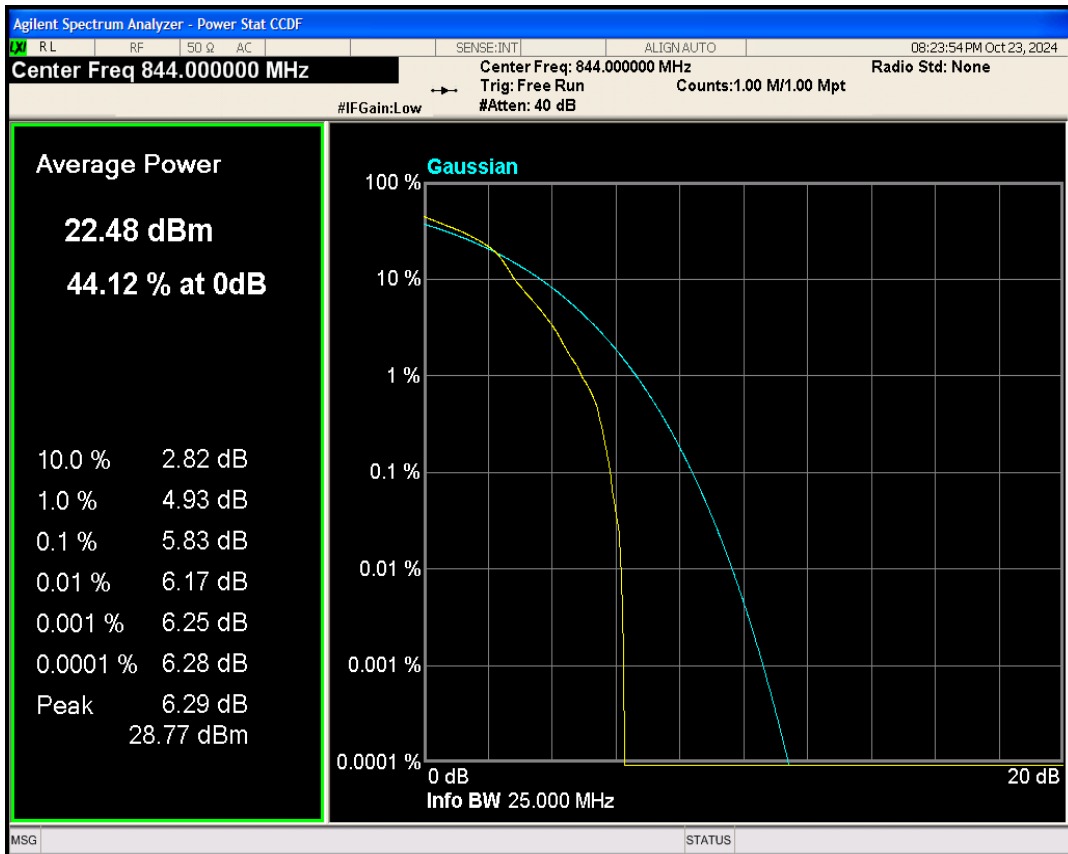
Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



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



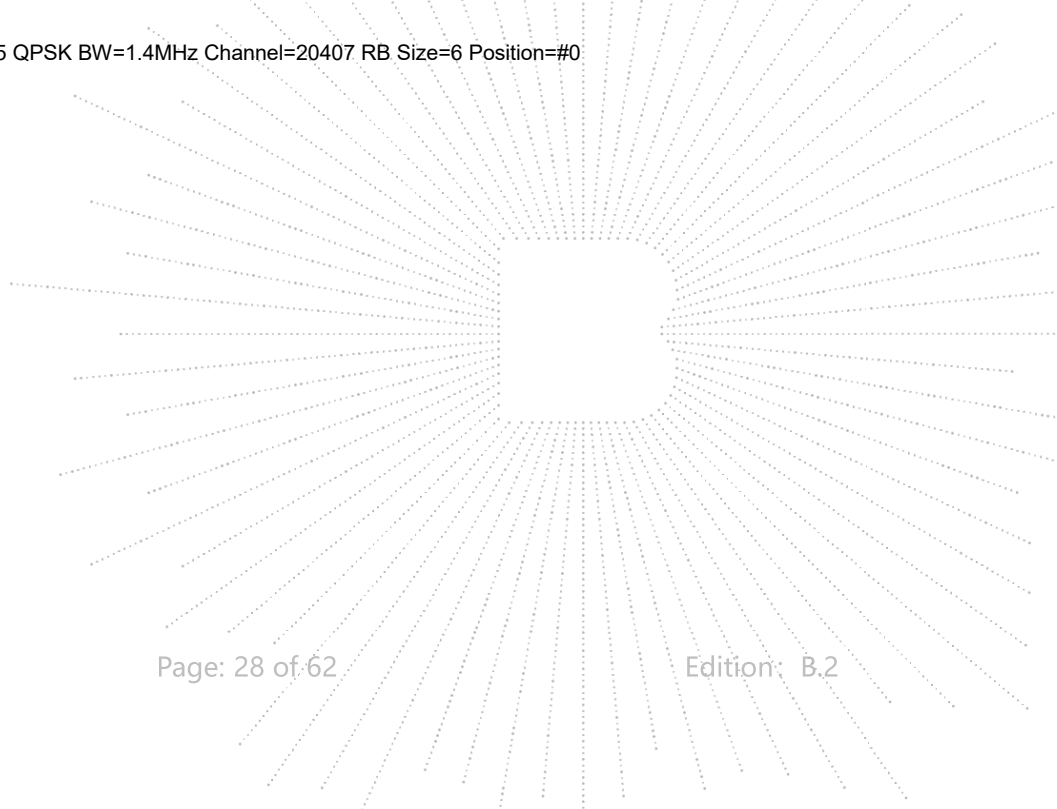
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0

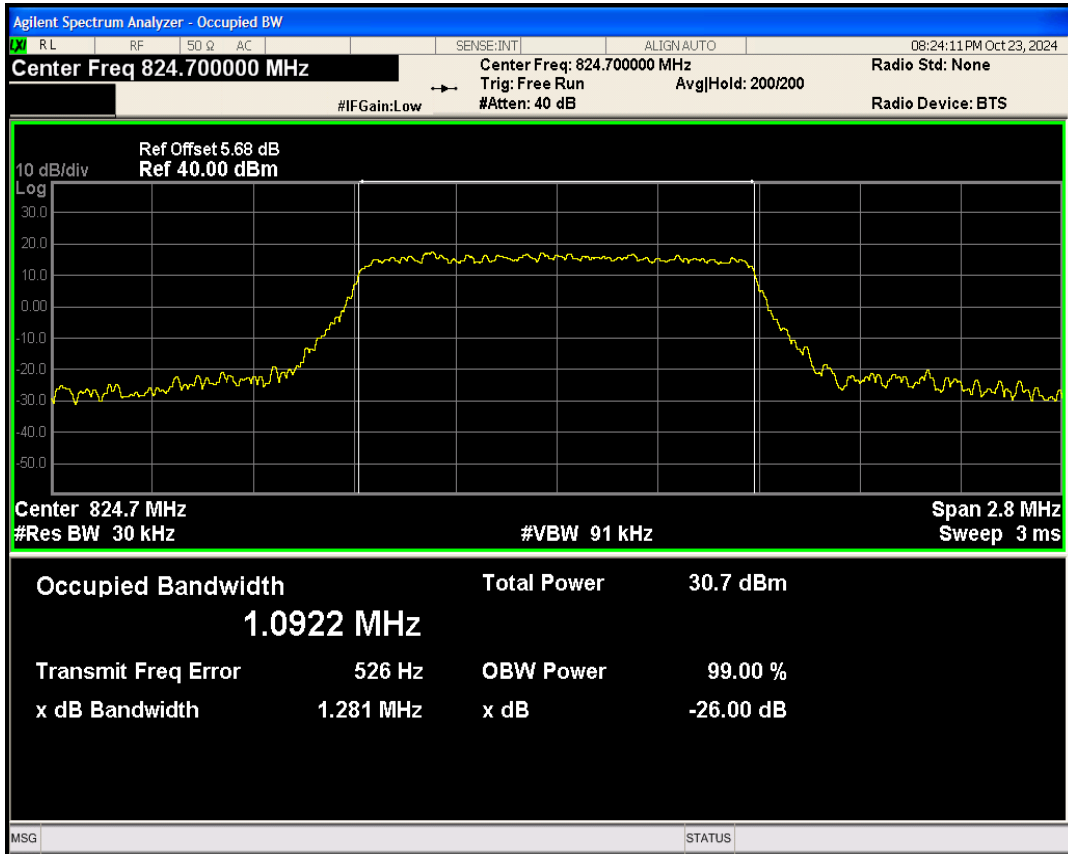


Appendix 4. Occupied bandwidth

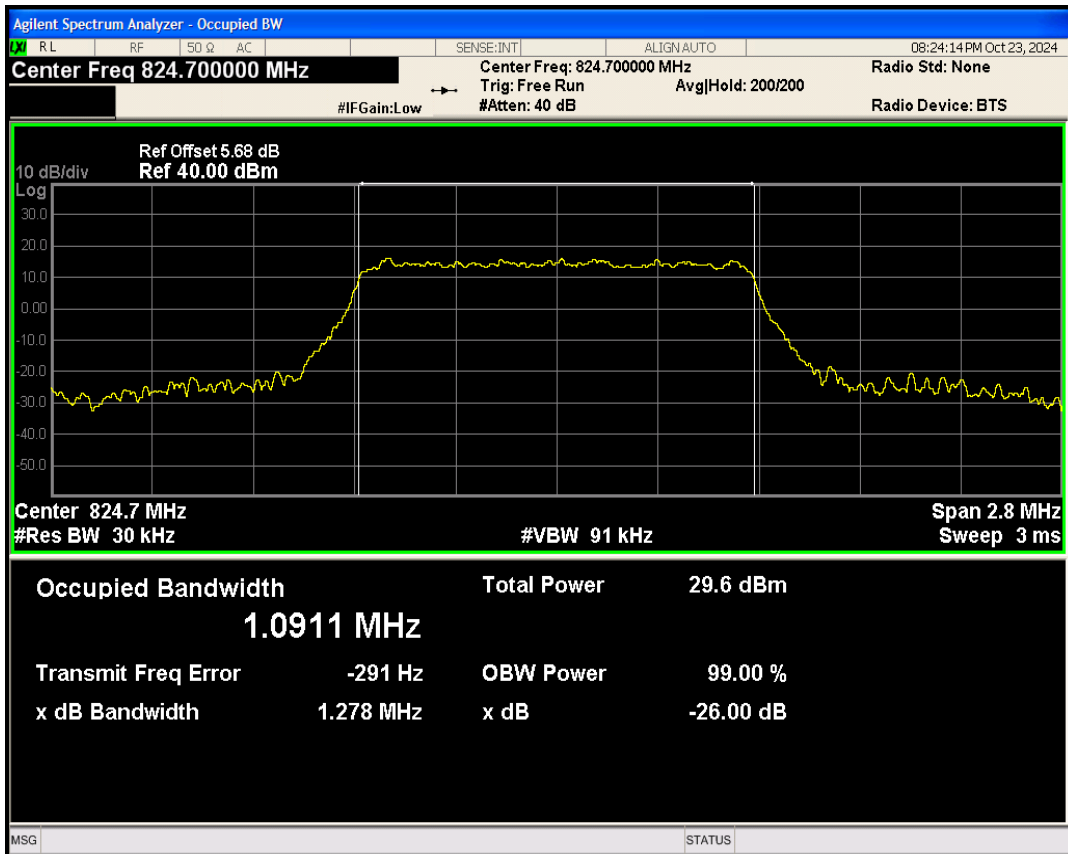
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.092	1.281	PASS
Band5	1.4	20407	6	#0	16QAM	1.091	1.278	PASS
Band5	1.4	20525	6	#0	QPSK	1.093	1.278	PASS
Band5	1.4	20525	6	#0	16QAM	1.096	1.286	PASS
Band5	1.4	20643	6	#0	QPSK	1.095	1.267	PASS
Band5	1.4	20643	6	#0	16QAM	1.095	1.308	PASS
Band5	3	20415	15	#0	QPSK	2.688	2.933	PASS
Band5	3	20415	15	#0	16QAM	2.693	2.940	PASS
Band5	3	20525	15	#0	QPSK	2.693	2.902	PASS
Band5	3	20525	15	#0	16QAM	2.698	2.917	PASS
Band5	3	20635	15	#0	QPSK	2.685	2.928	PASS
Band5	3	20635	15	#0	16QAM	2.686	2.931	PASS
Band5	5	20425	25	#0	QPSK	4.500	4.874	PASS
Band5	5	20425	25	#0	16QAM	4.498	4.907	PASS
Band5	5	20525	25	#0	QPSK	4.498	4.919	PASS
Band5	5	20525	25	#0	16QAM	4.511	4.910	PASS
Band5	5	20625	25	#0	QPSK	4.488	4.880	PASS
Band5	5	20625	25	#0	16QAM	4.512	4.913	PASS
Band5	10	20450	50	#0	QPSK	8.957	9.741	PASS
Band5	10	20450	50	#0	16QAM	8.995	9.630	PASS
Band5	10	20525	50	#0	QPSK	8.968	9.641	PASS
Band5	10	20525	50	#0	16QAM	8.979	9.820	PASS
Band5	10	20600	50	#0	QPSK	9.014	9.671	PASS
Band5	10	20600	50	#0	16QAM	8.998	9.695	PASS

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

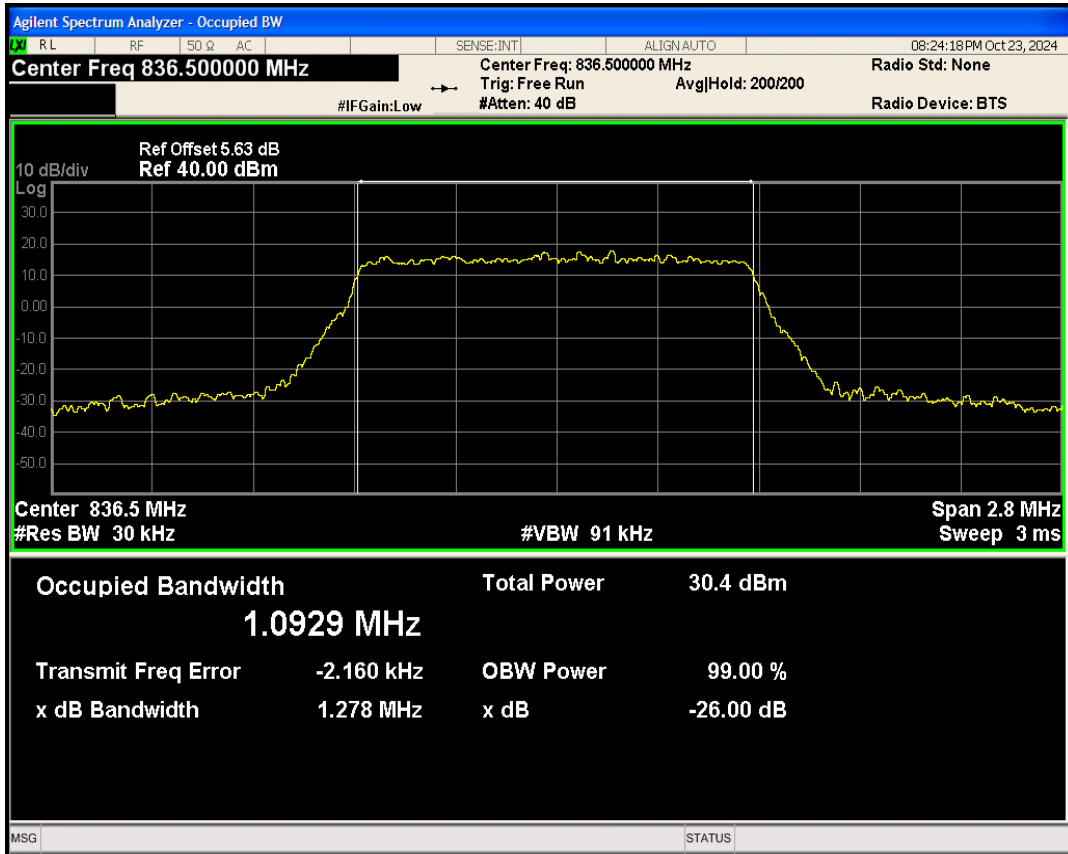




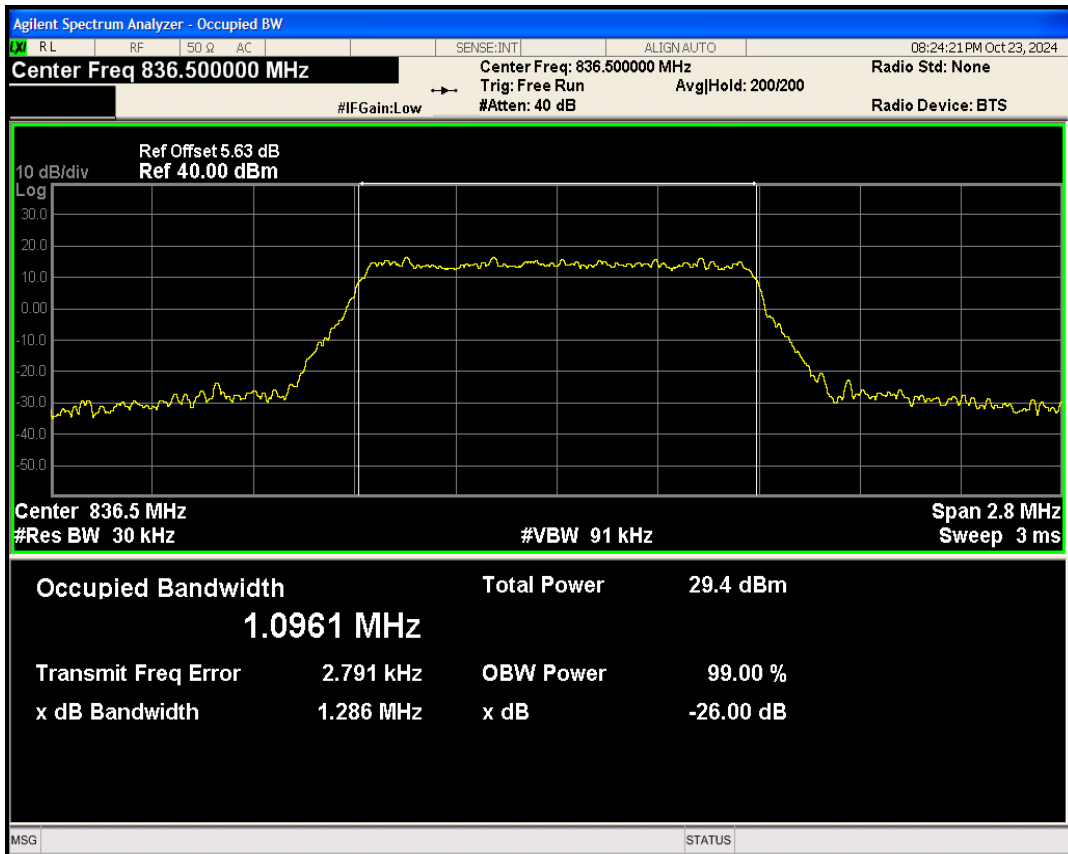
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



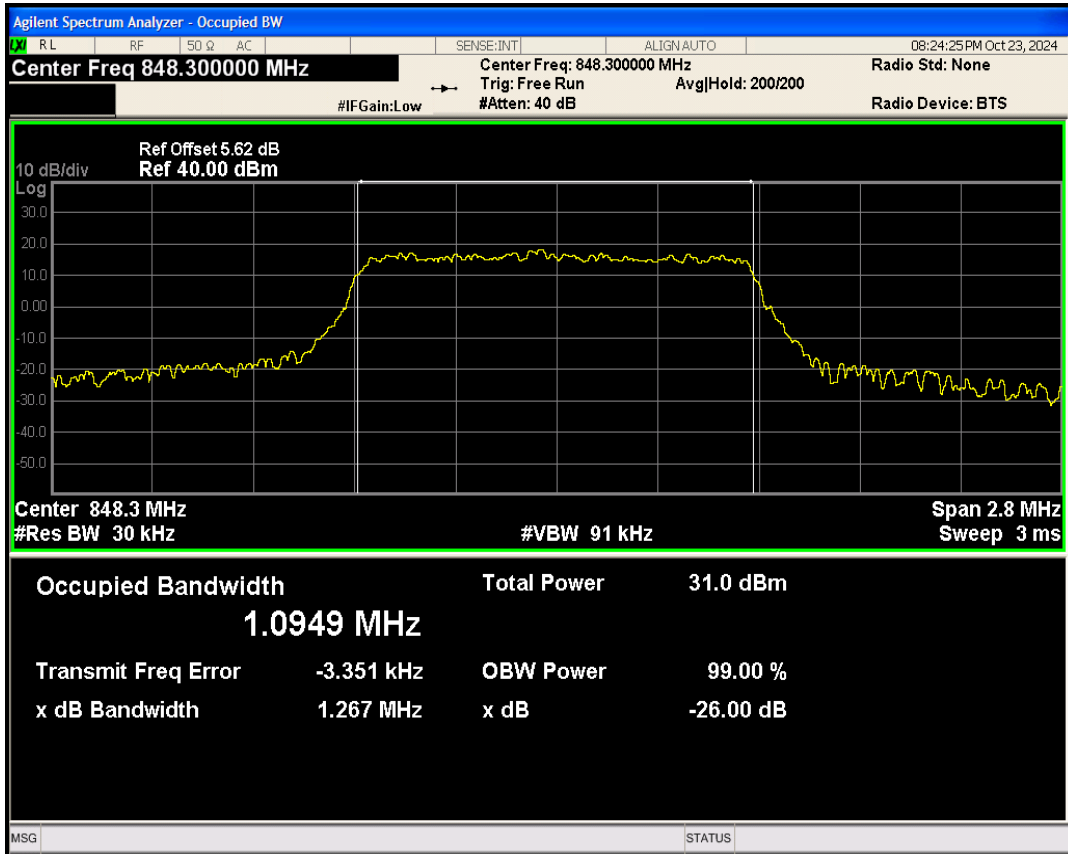
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



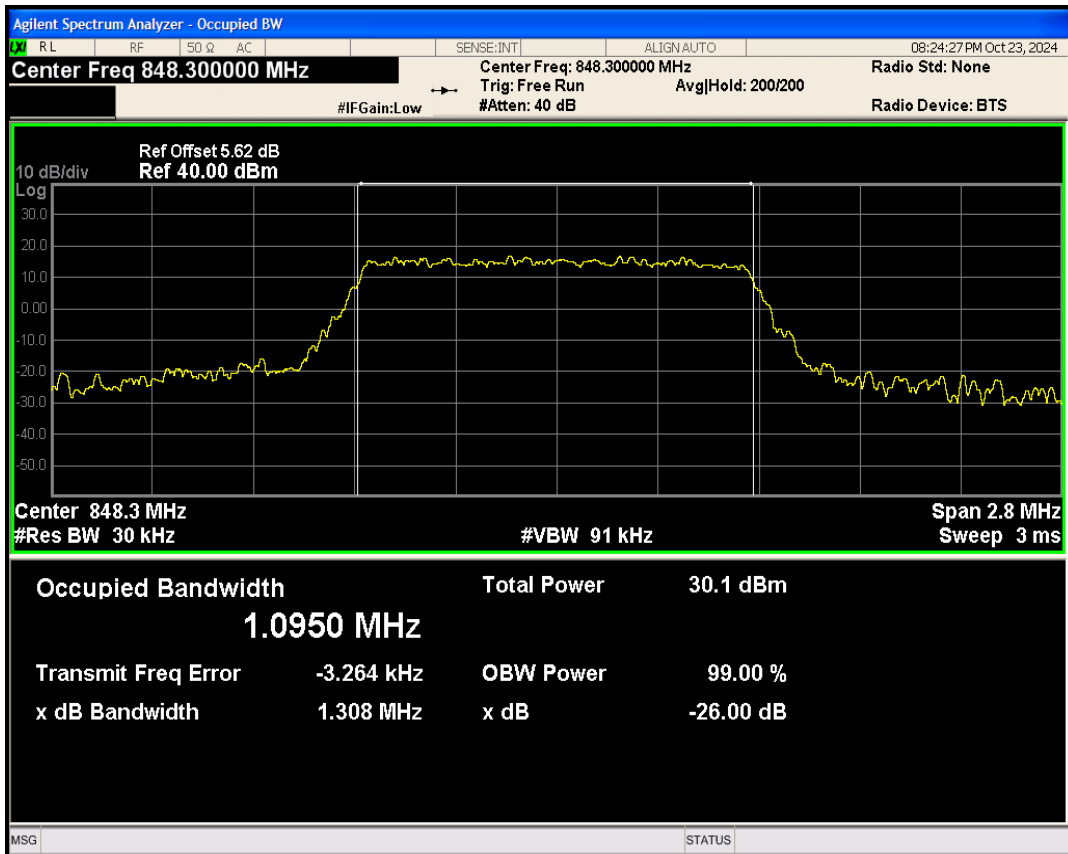
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



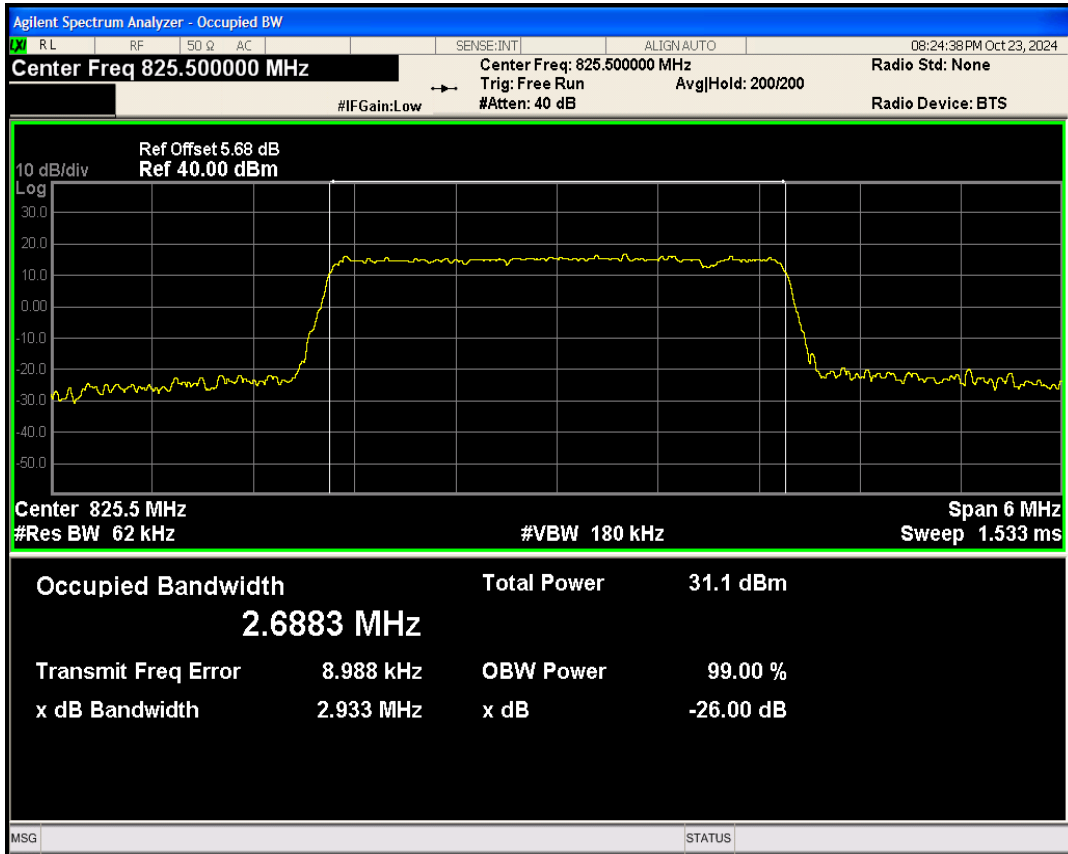
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



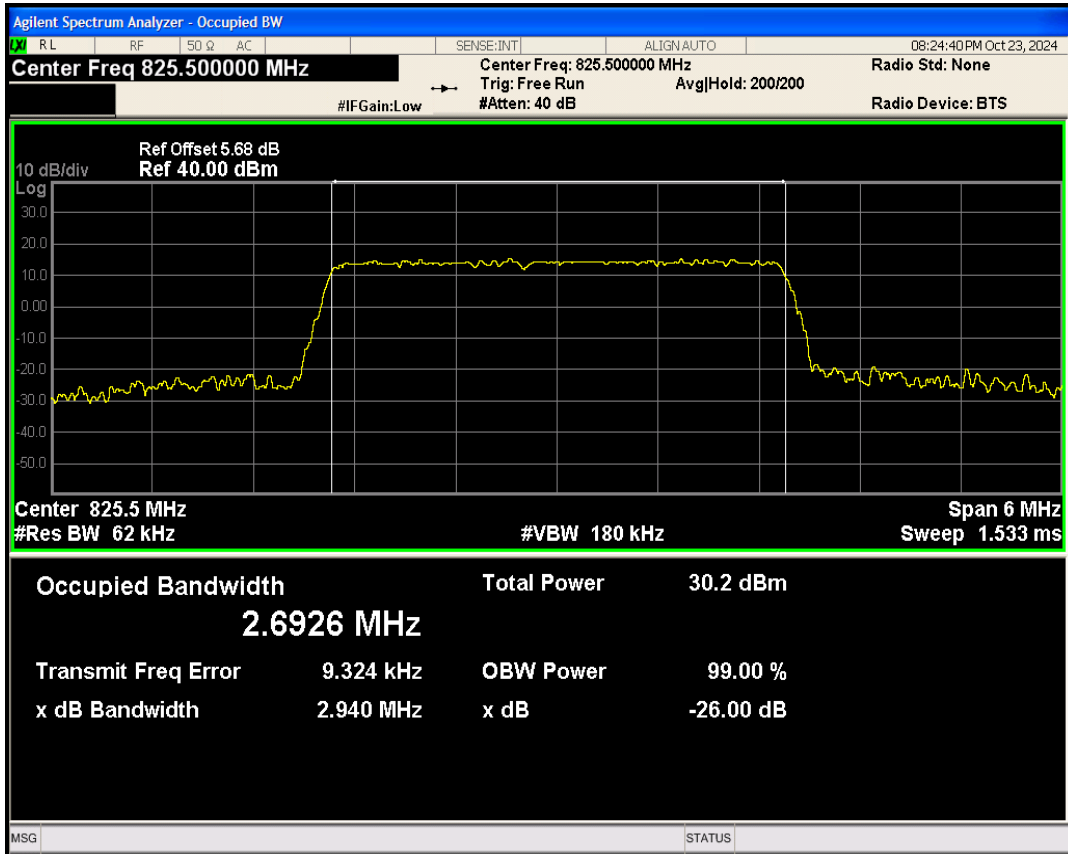
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



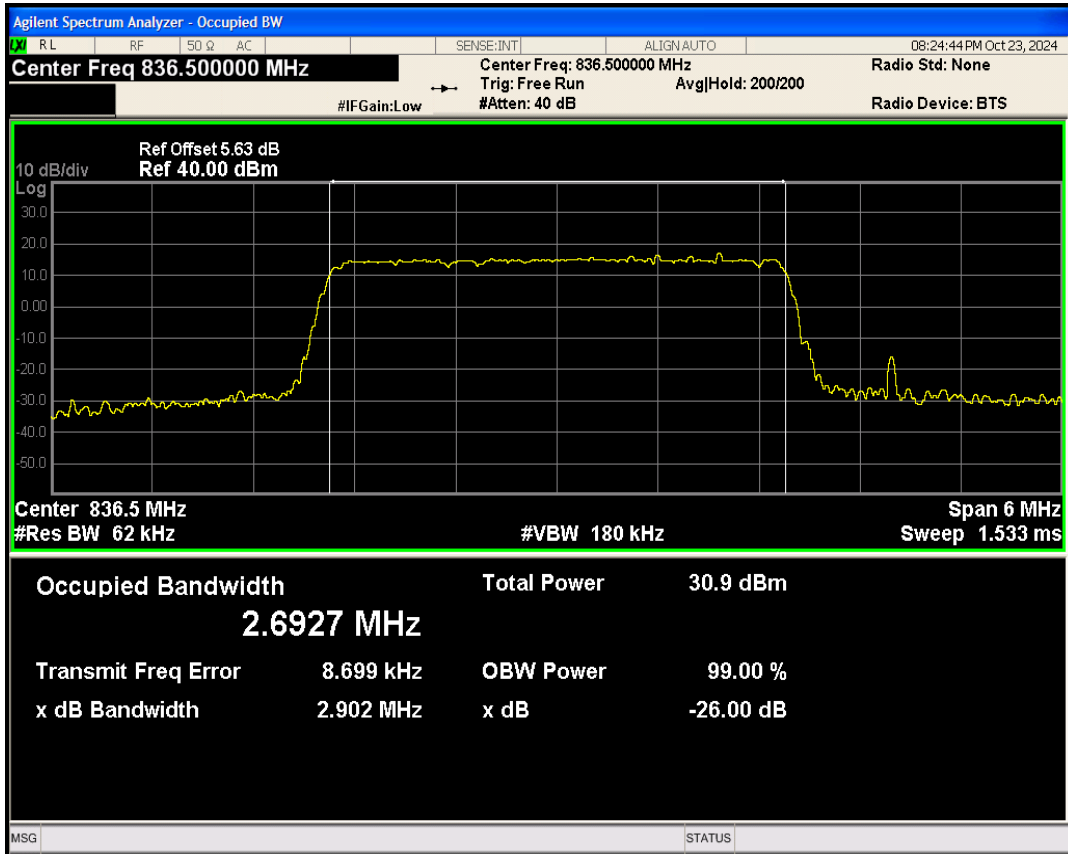
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



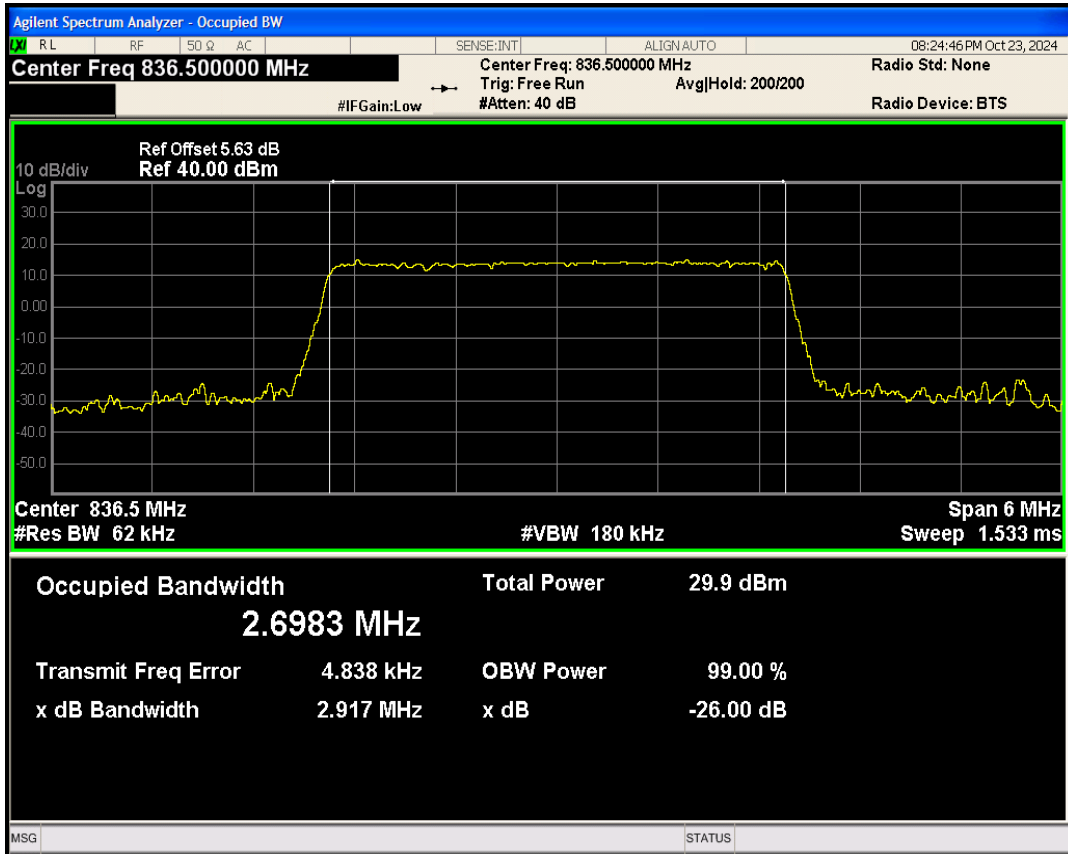
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



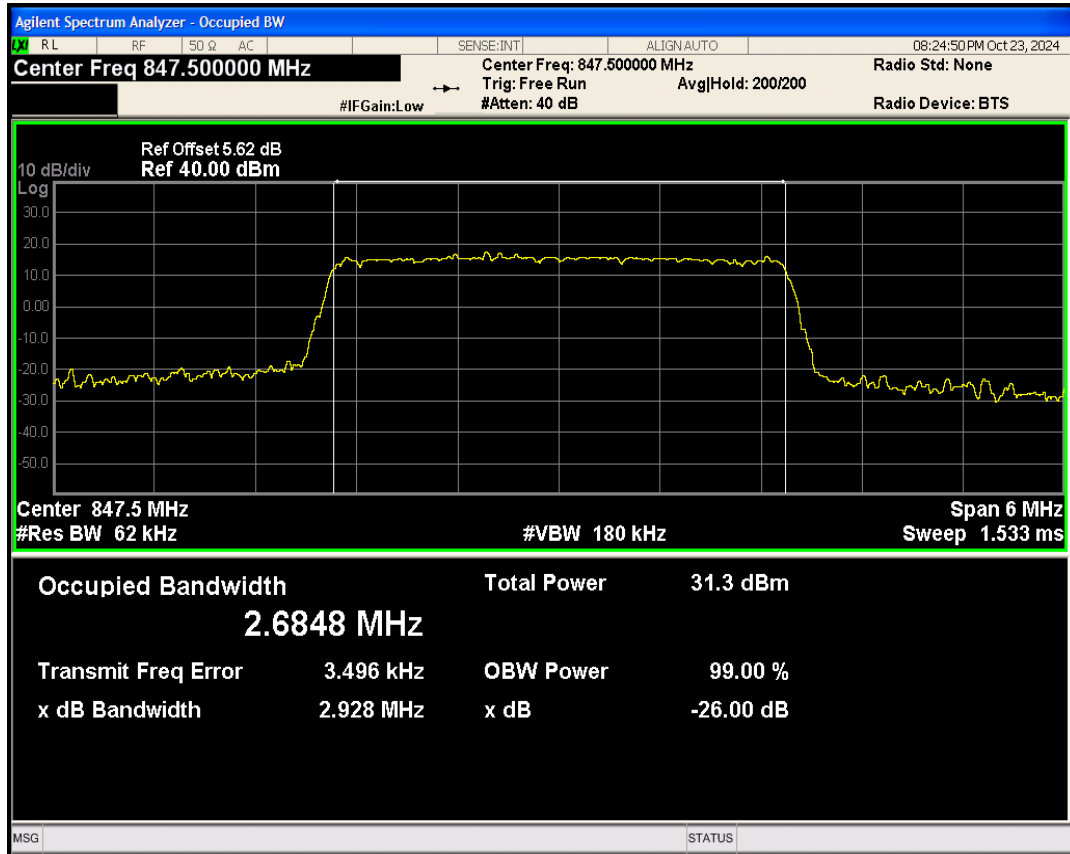
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



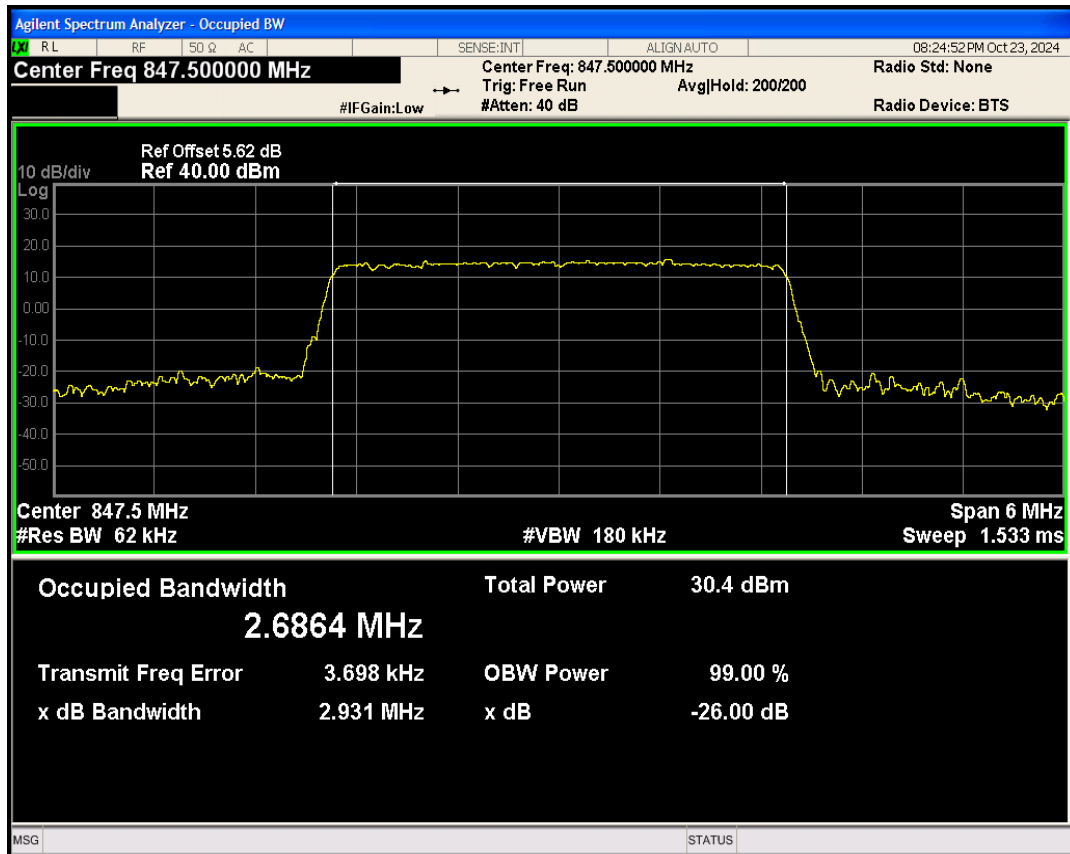
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



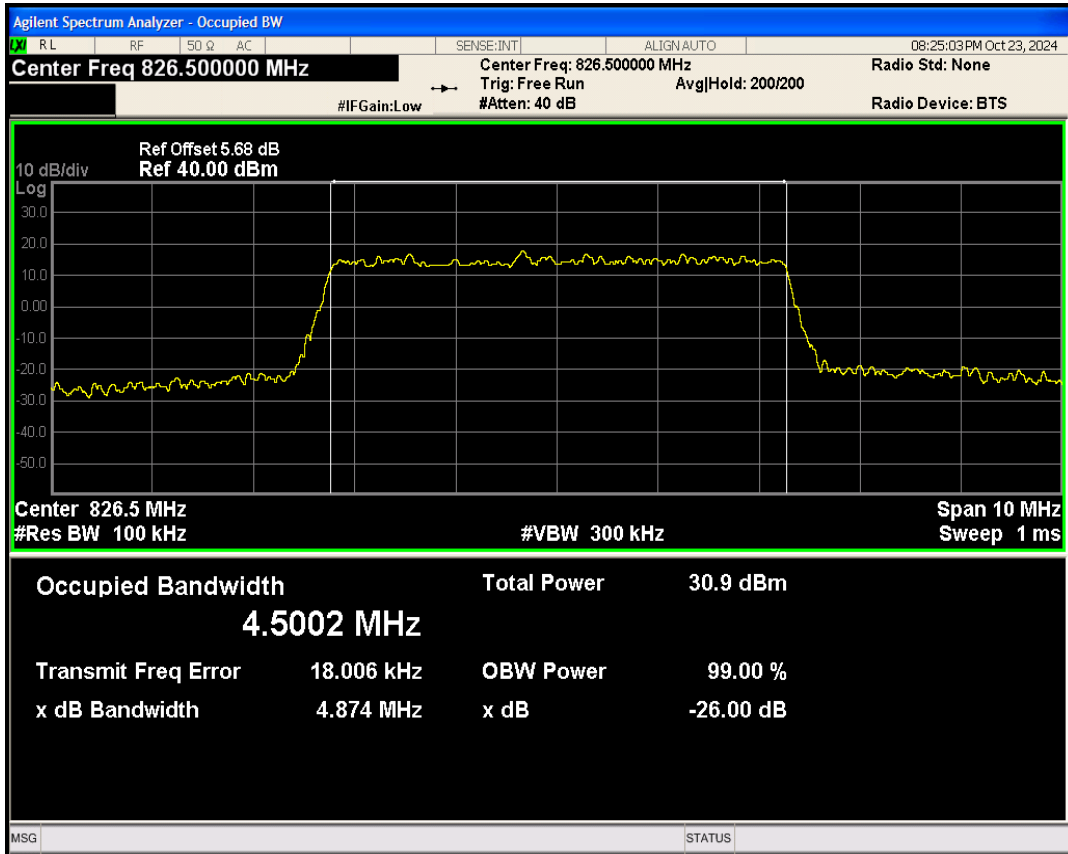
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



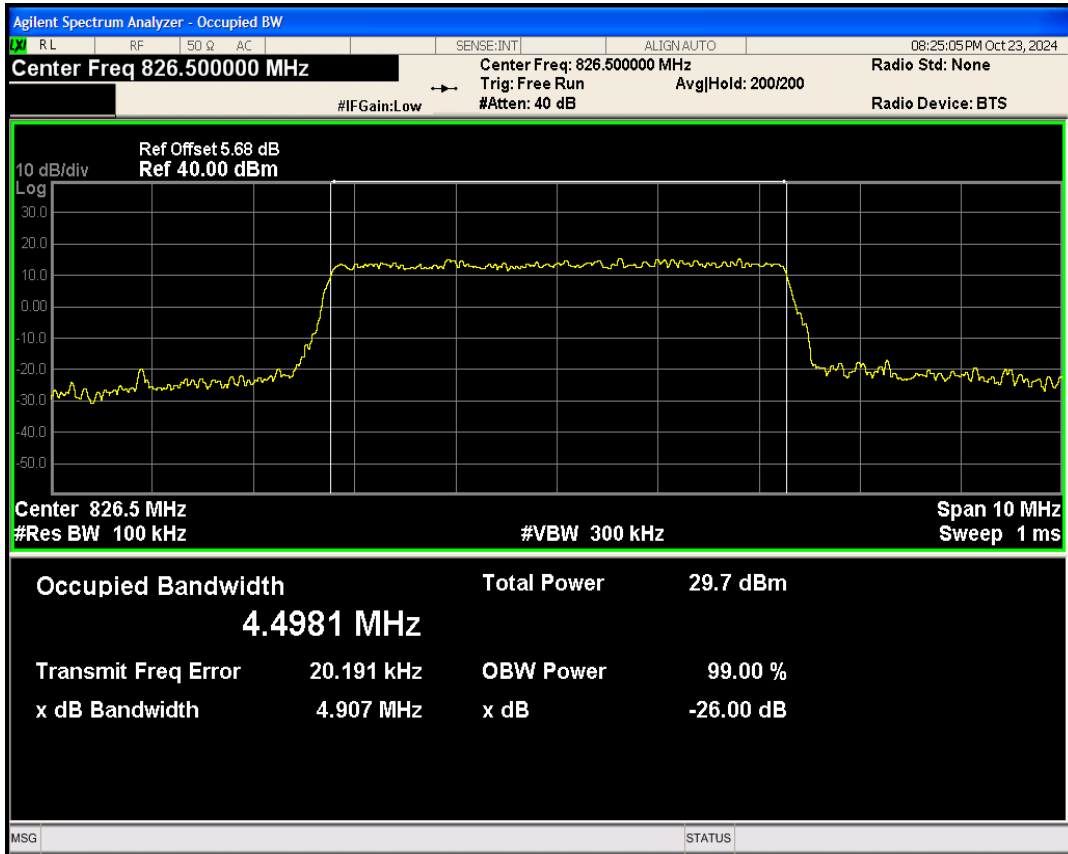
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



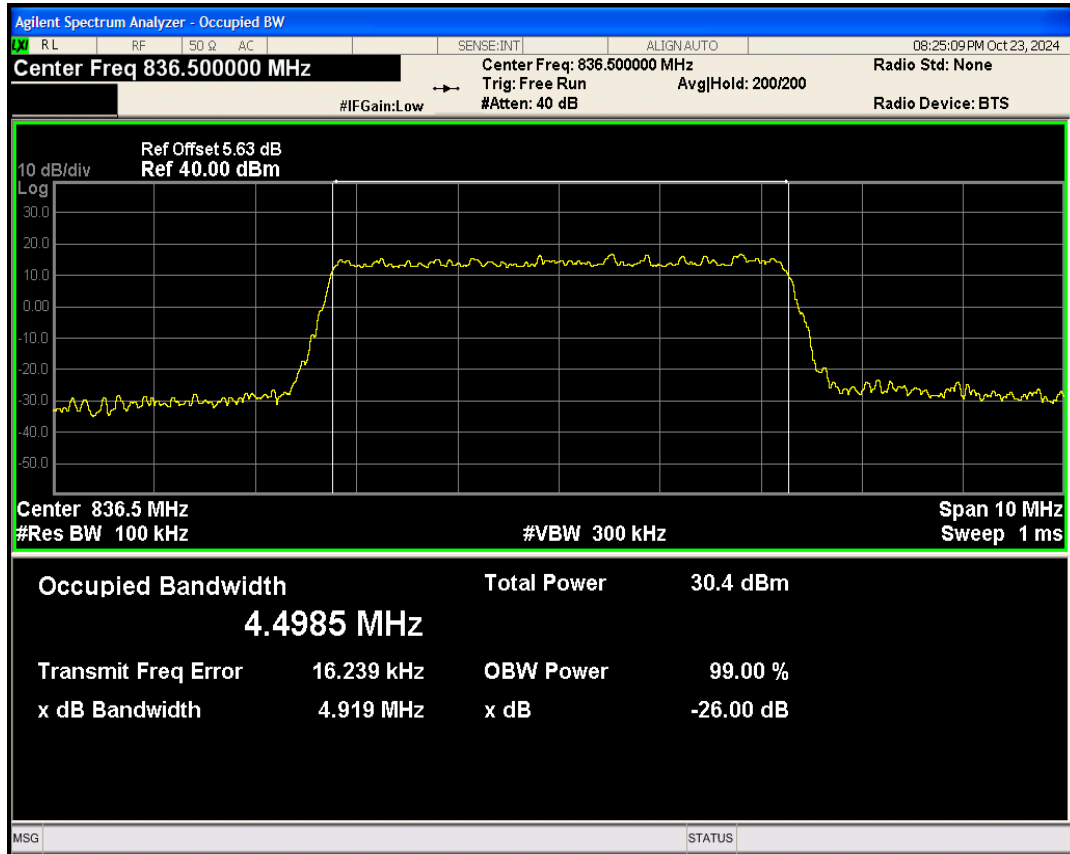
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



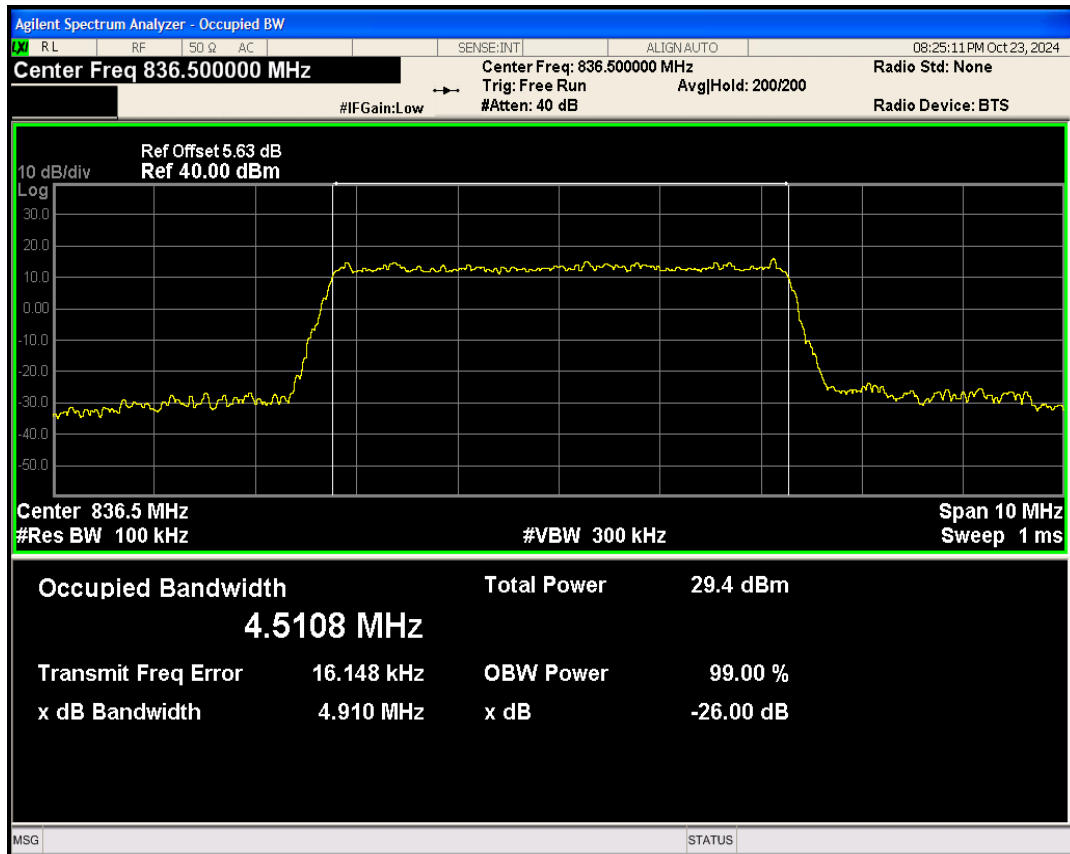
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



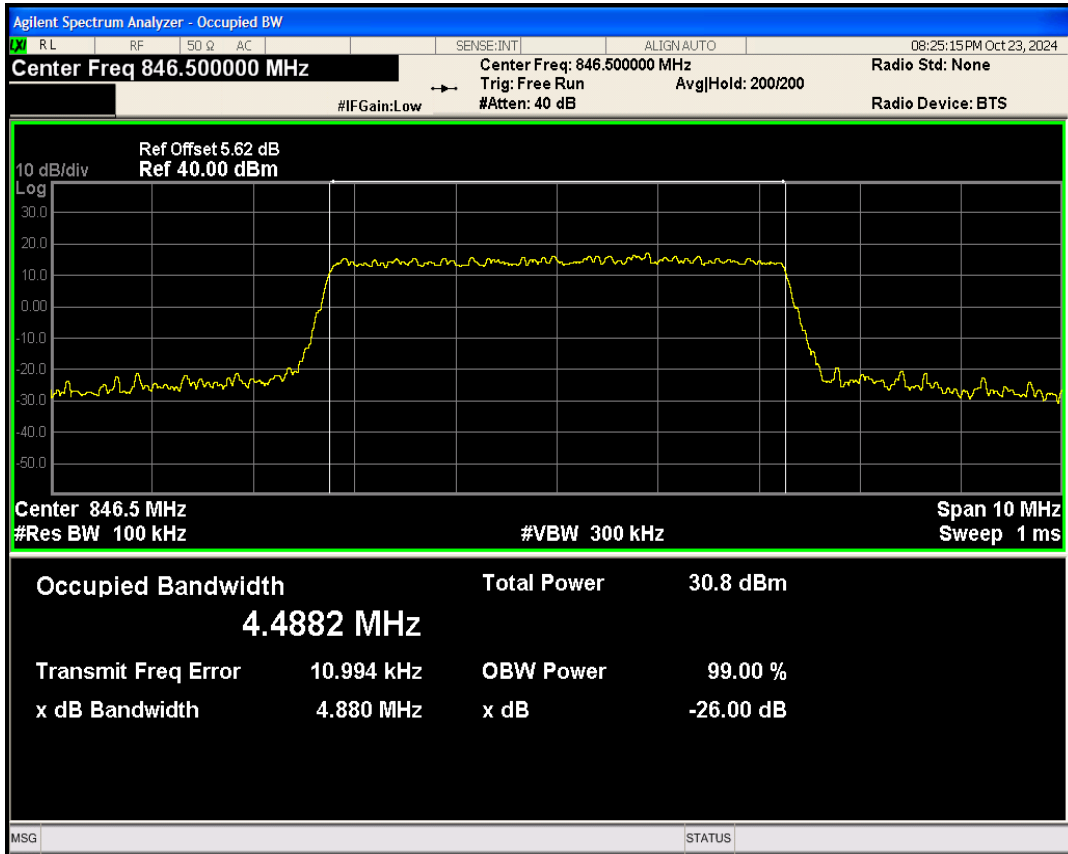
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



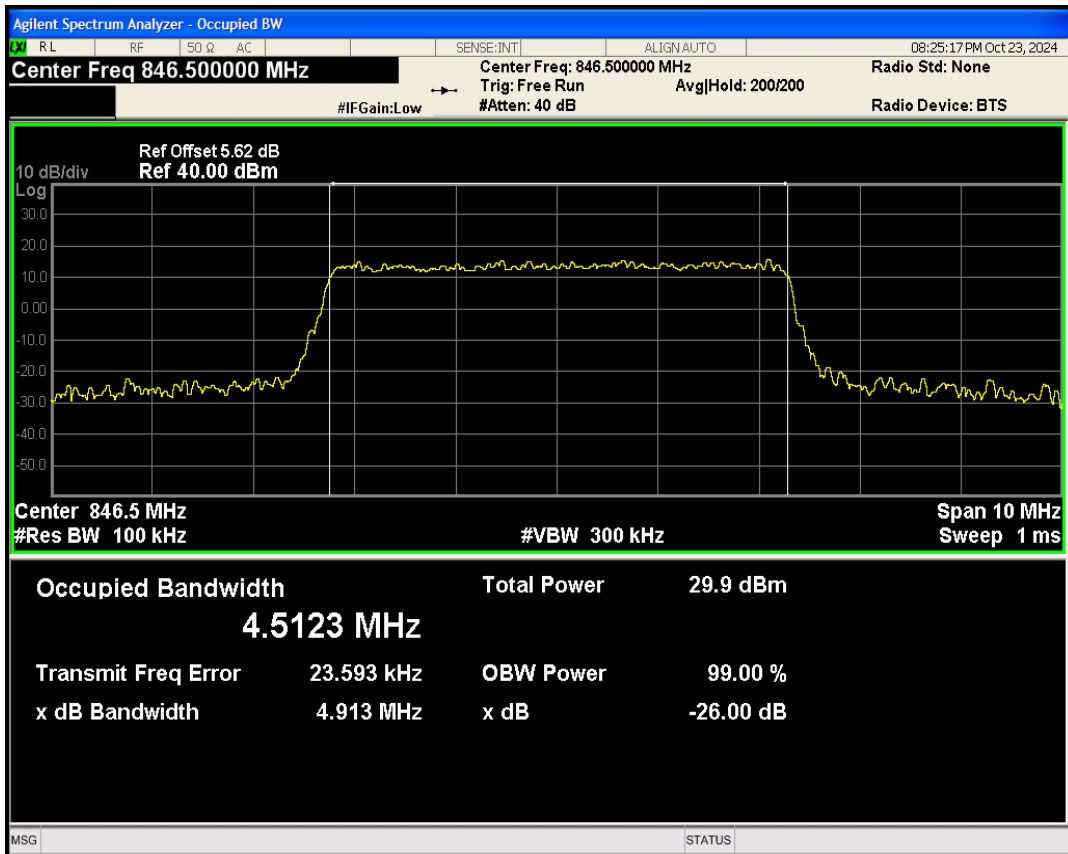
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



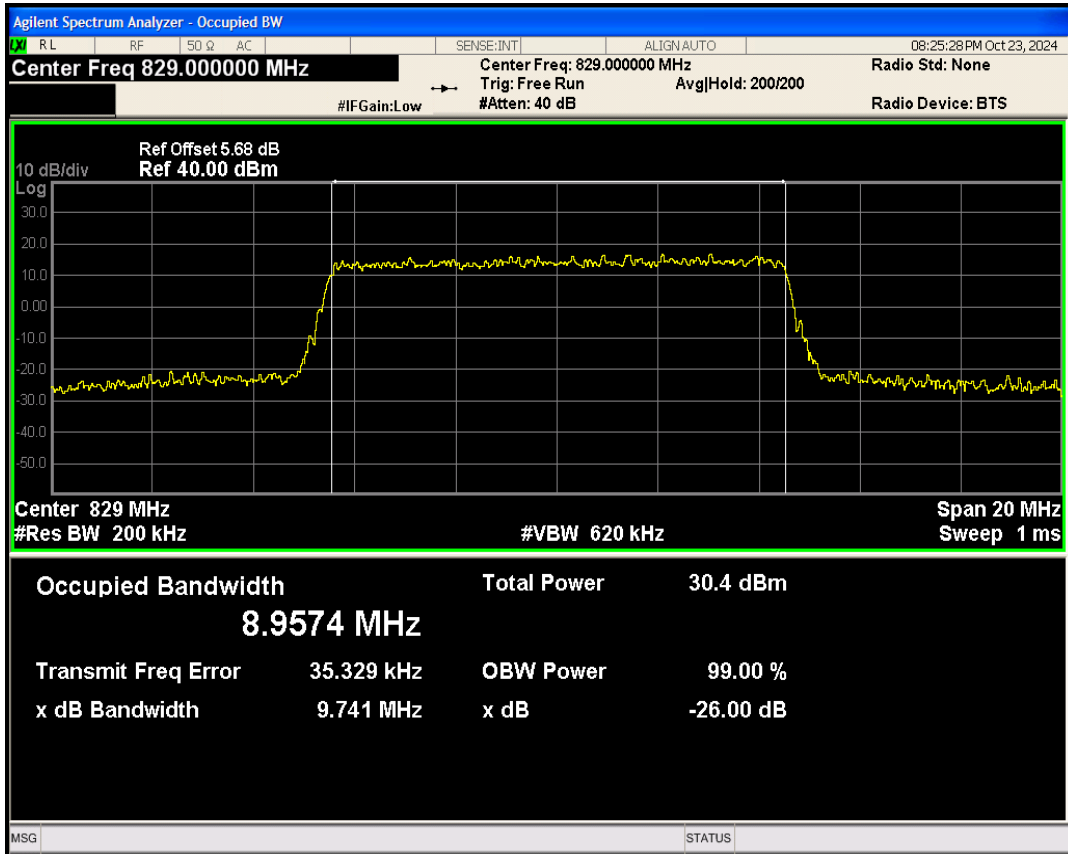
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



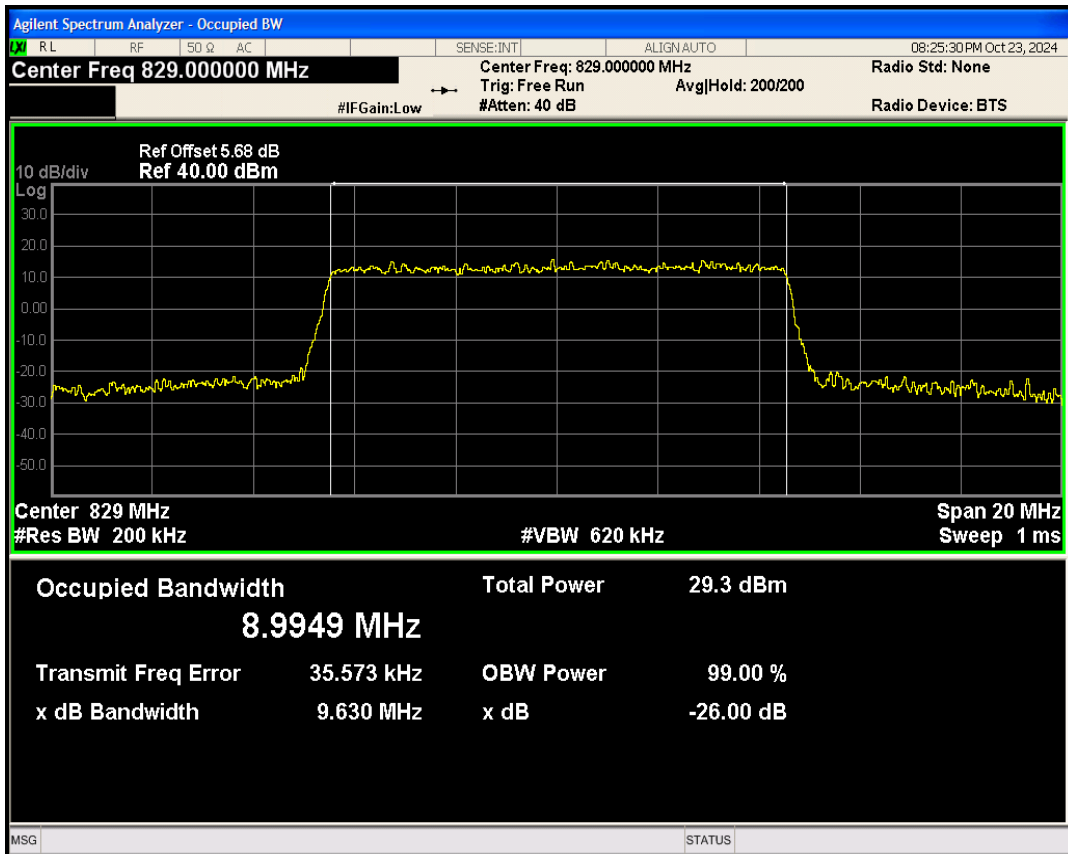
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



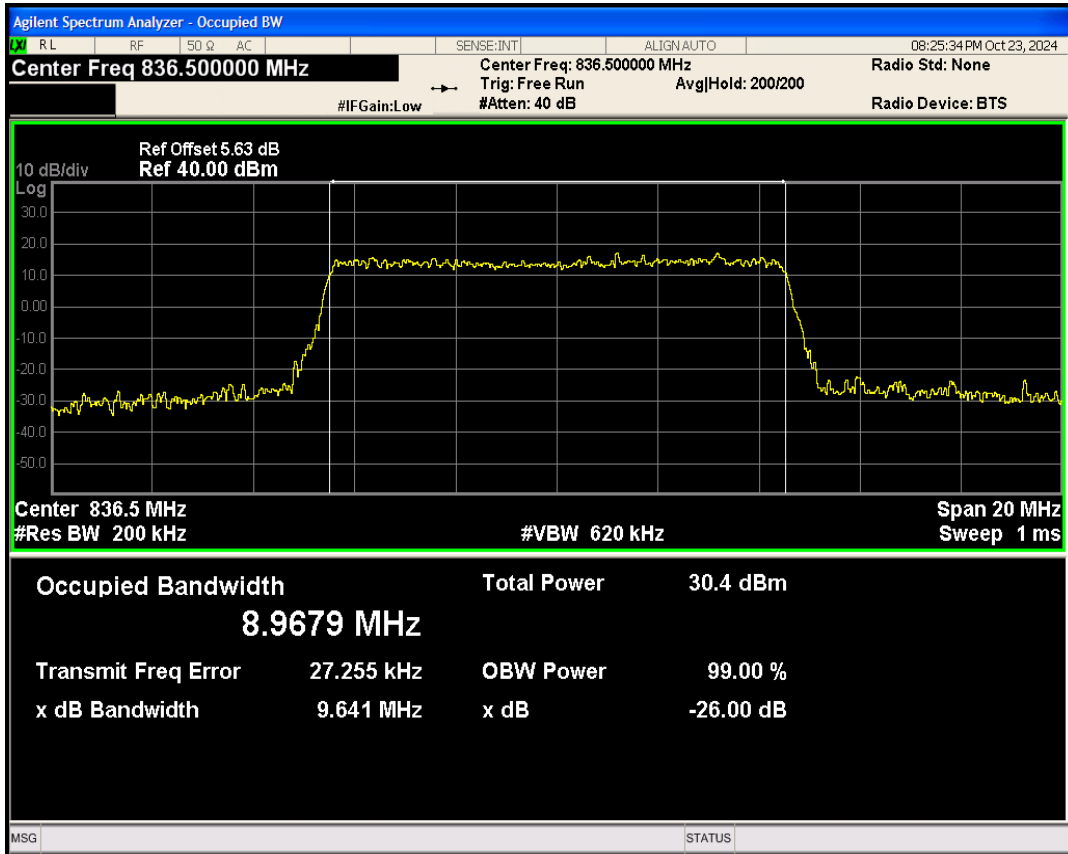
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



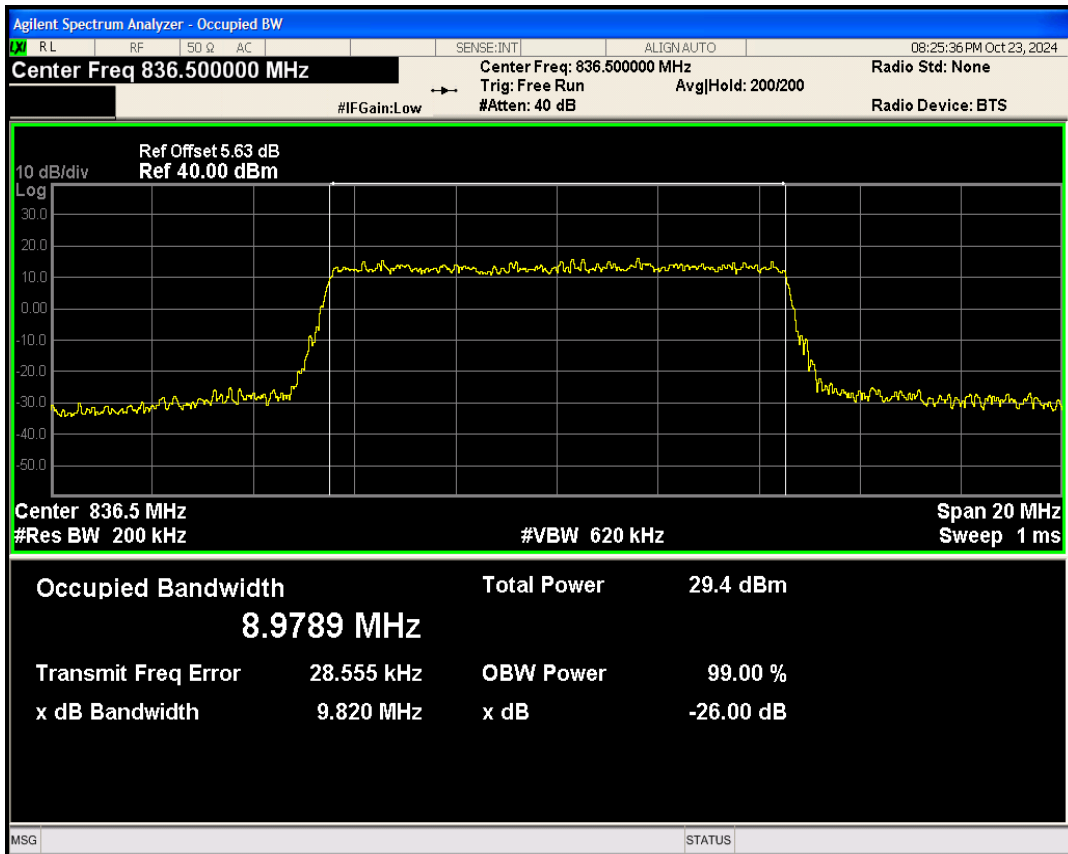
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



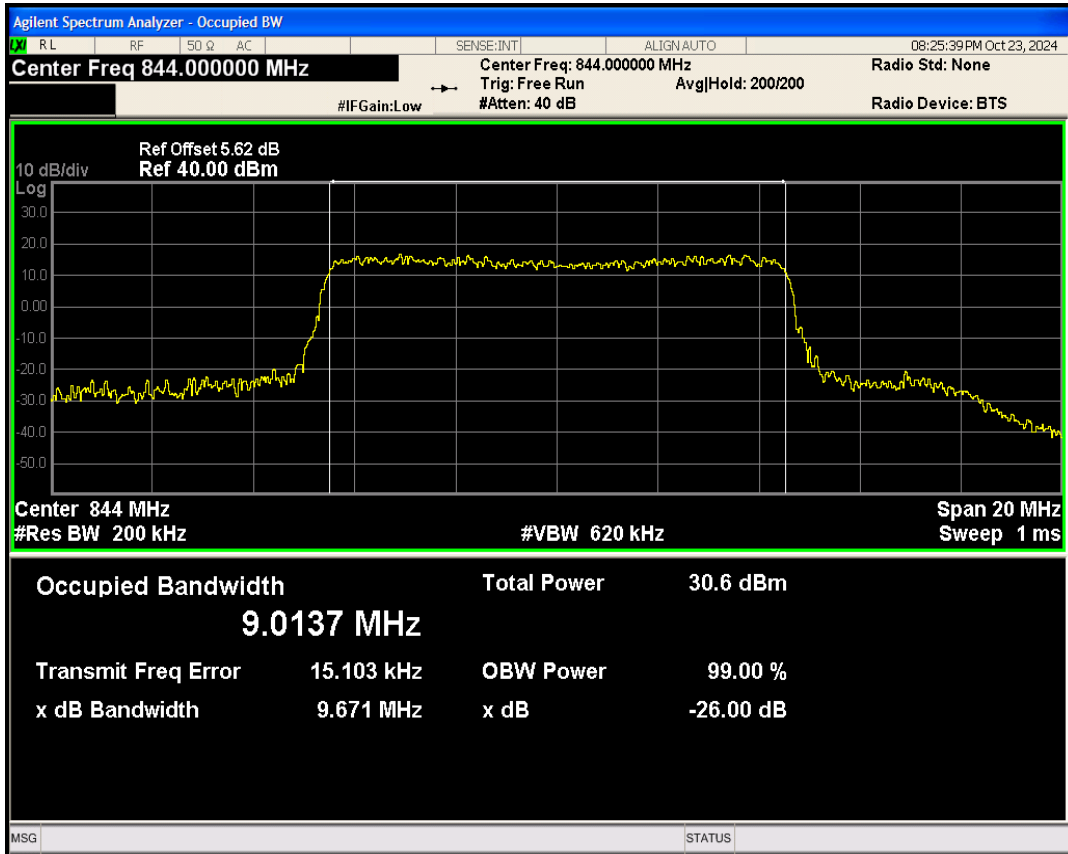
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



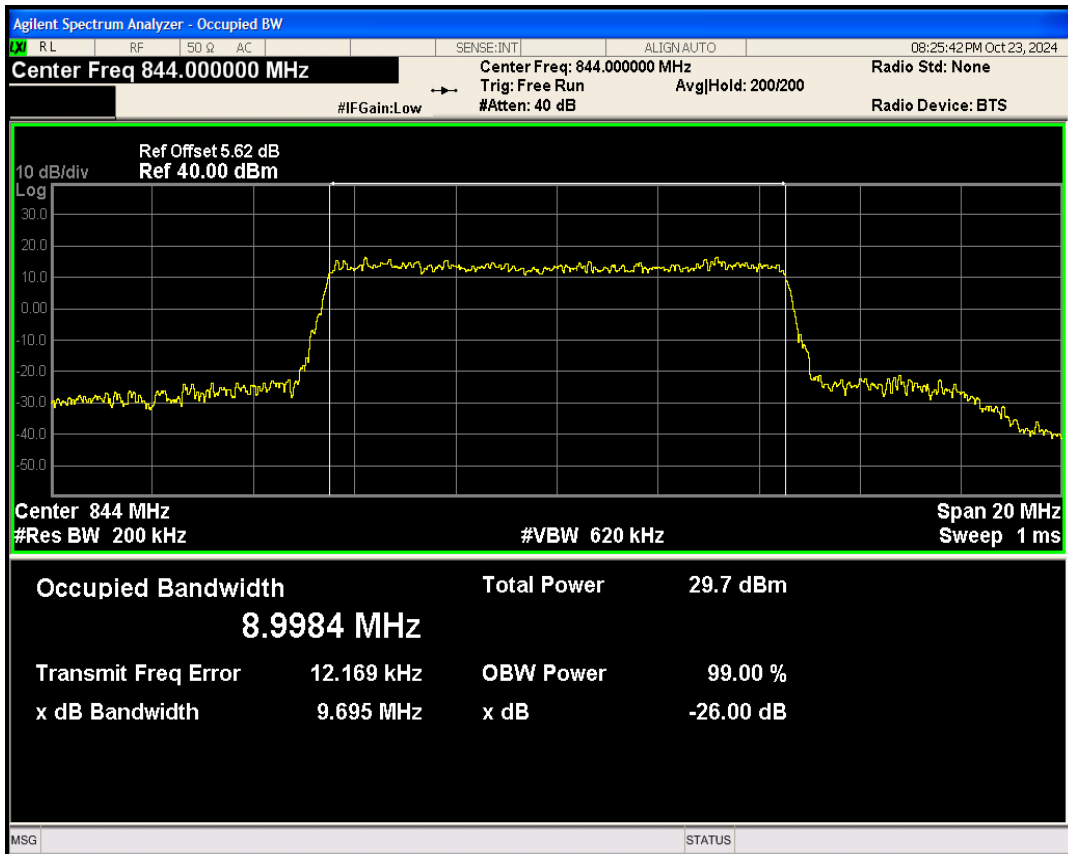
Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



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



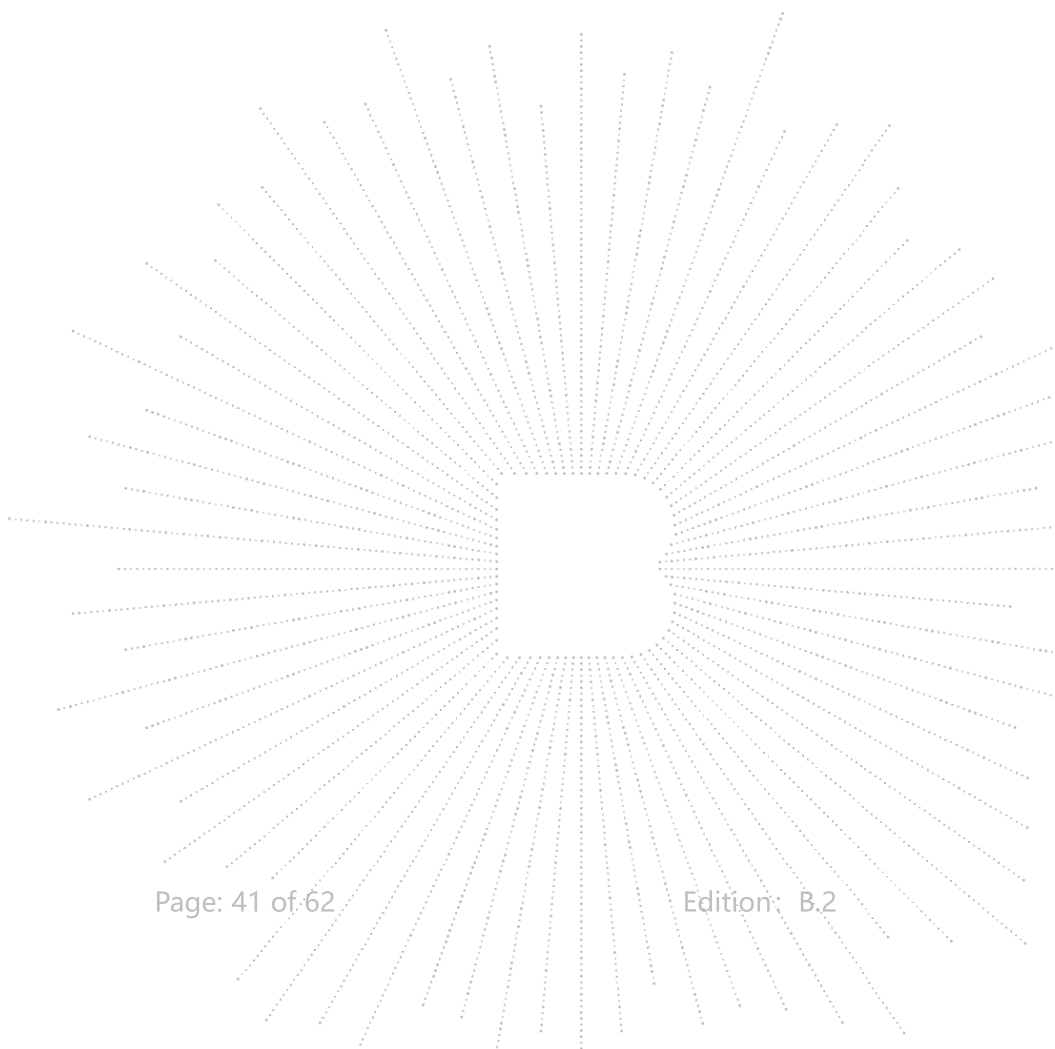
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

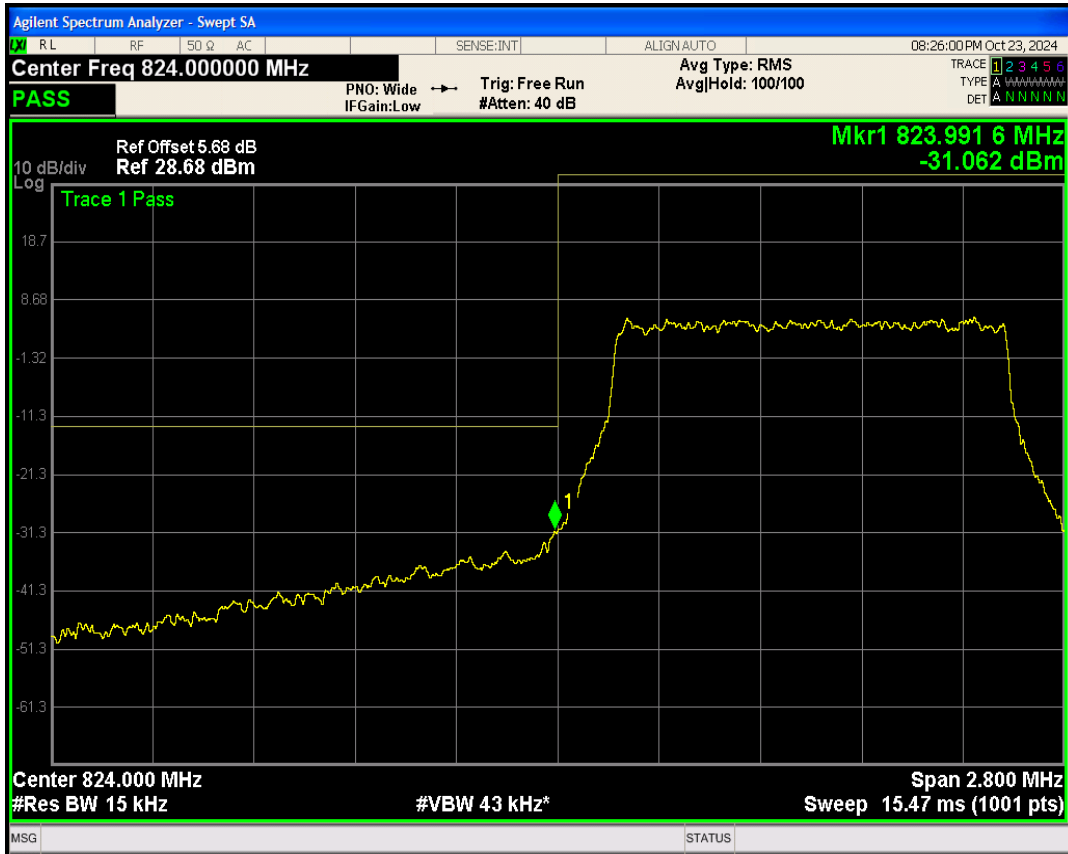


Appendix 5. Band edge

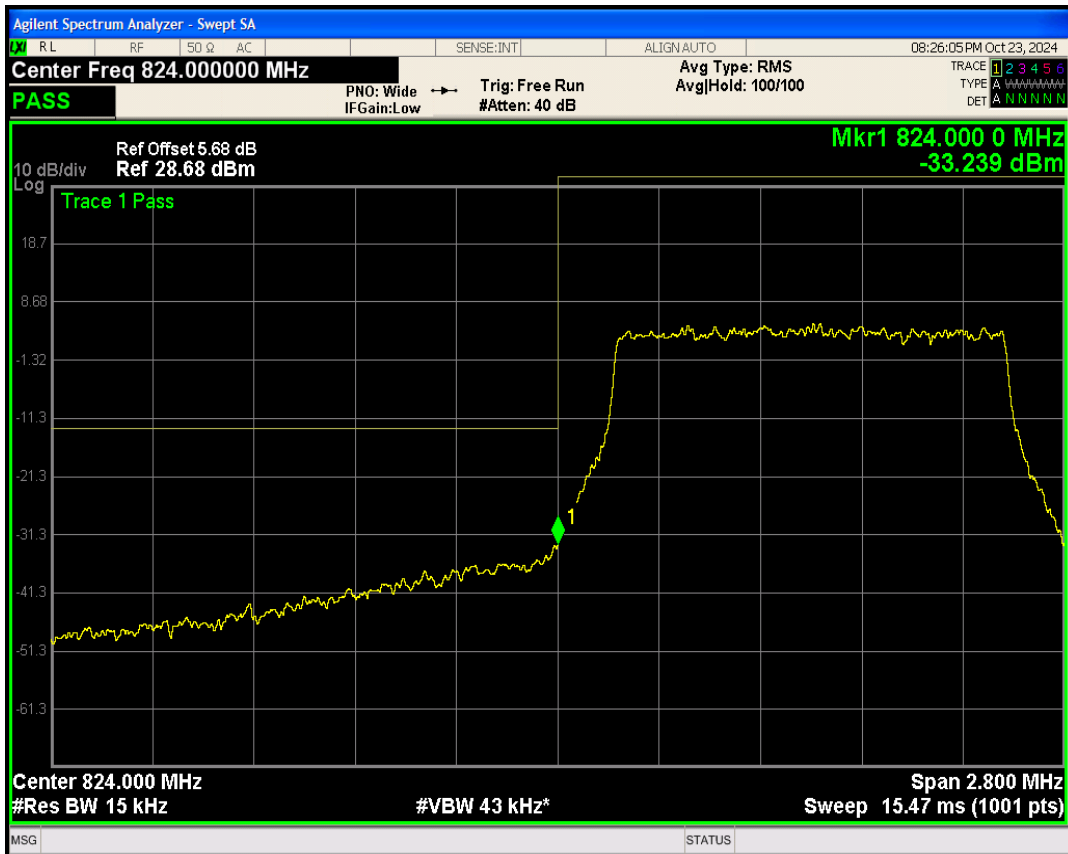
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	823.99	-31.06	-13	PASS
Band5	1.4	20407	6	#0	16QAM	824.00	-33.23	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-32.65	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-32.77	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-31.98	-13	PASS
Band5	3	20415	15	#0	16QAM	824.00	-33.50	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-33.21	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-34.54	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-29.89	-13	PASS
Band5	5	20425	25	#0	16QAM	823.97	-32.53	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-32.55	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-32.06	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-32.28	-13	PASS
Band5	10	20450	50	#0	16QAM	823.84	-33.99	-13	PASS
Band5	10	20600	50	#0	QPSK	849.02	-32.92	-13	PASS
Band5	10	20600	50	#0	16QAM	849.00	-33.23	-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



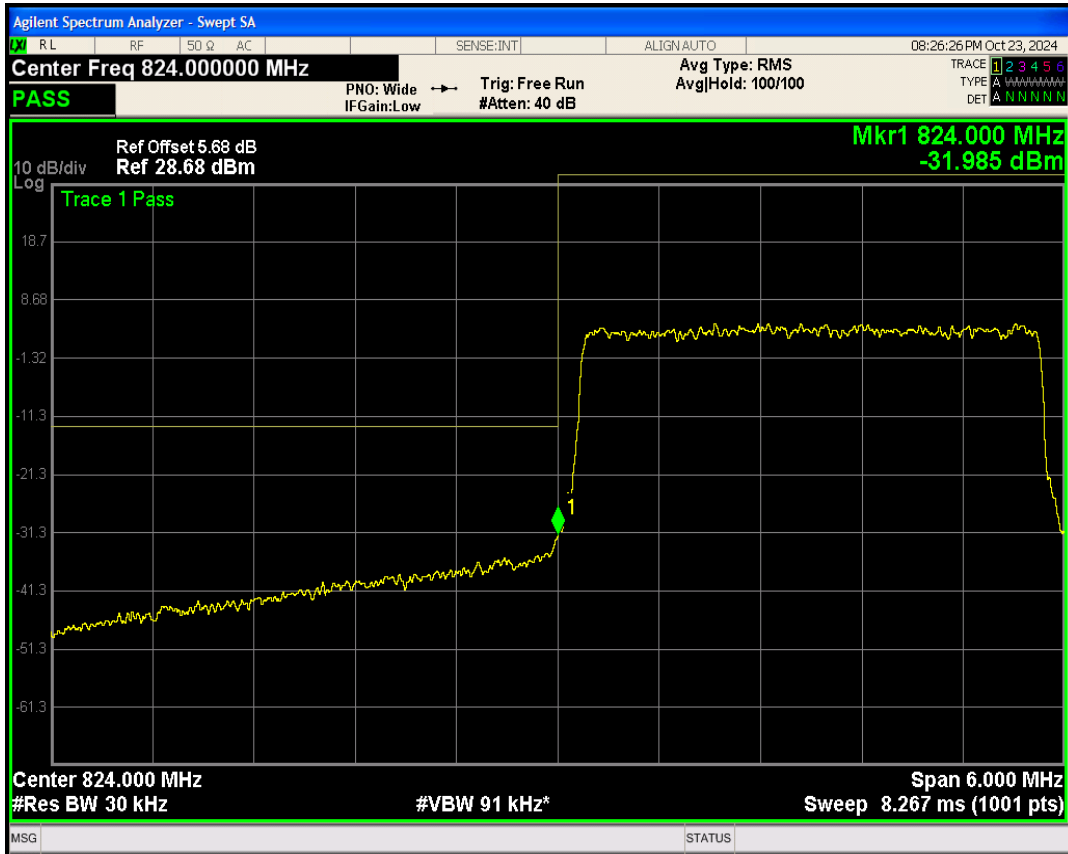
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



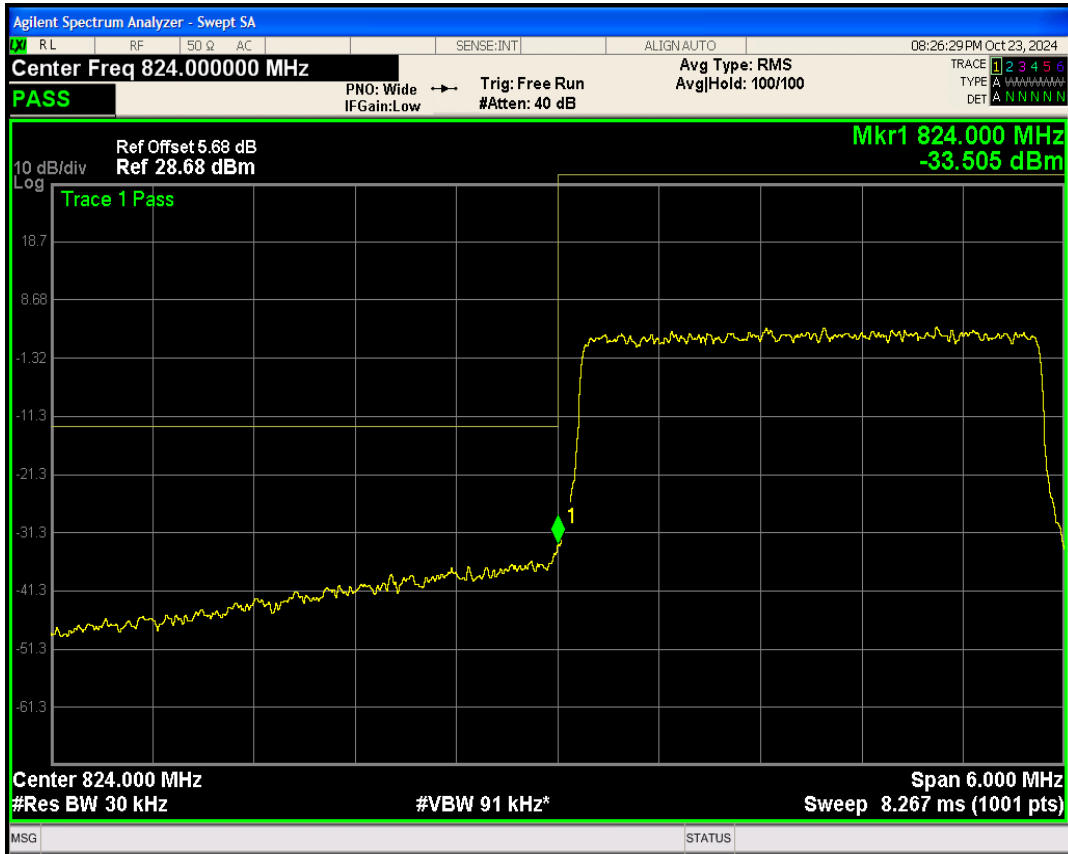
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



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



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



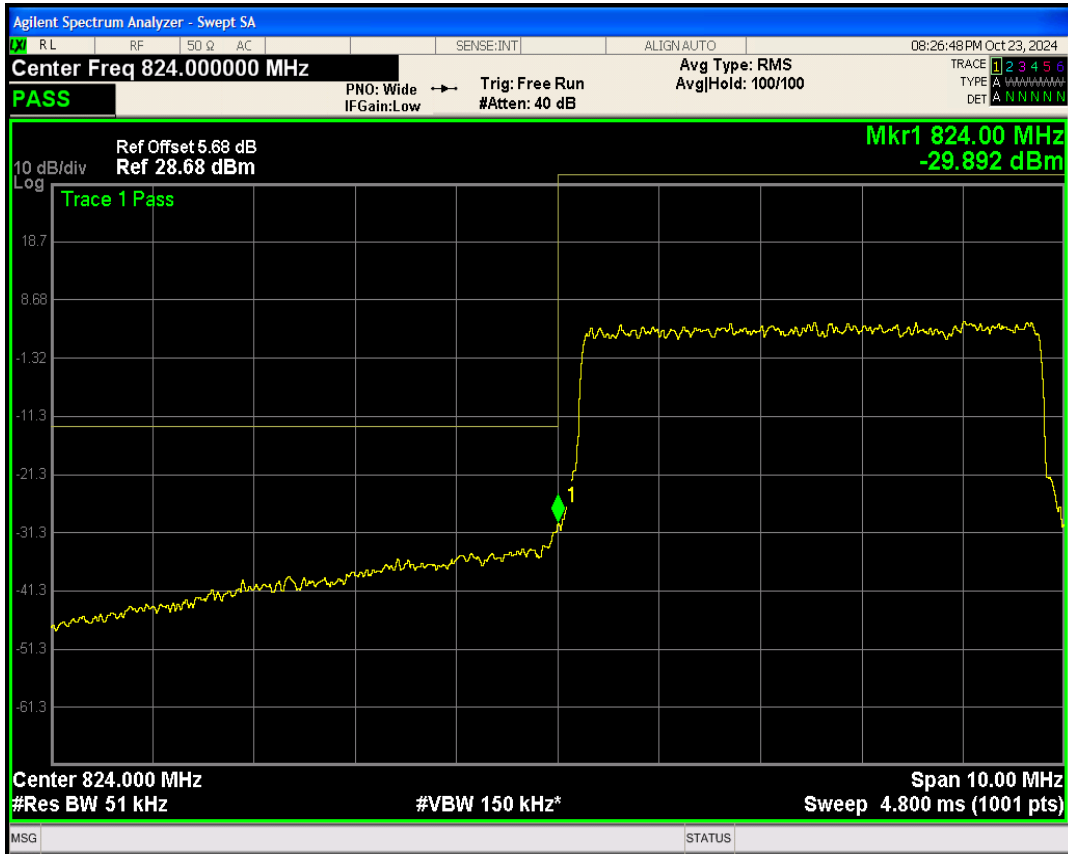
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



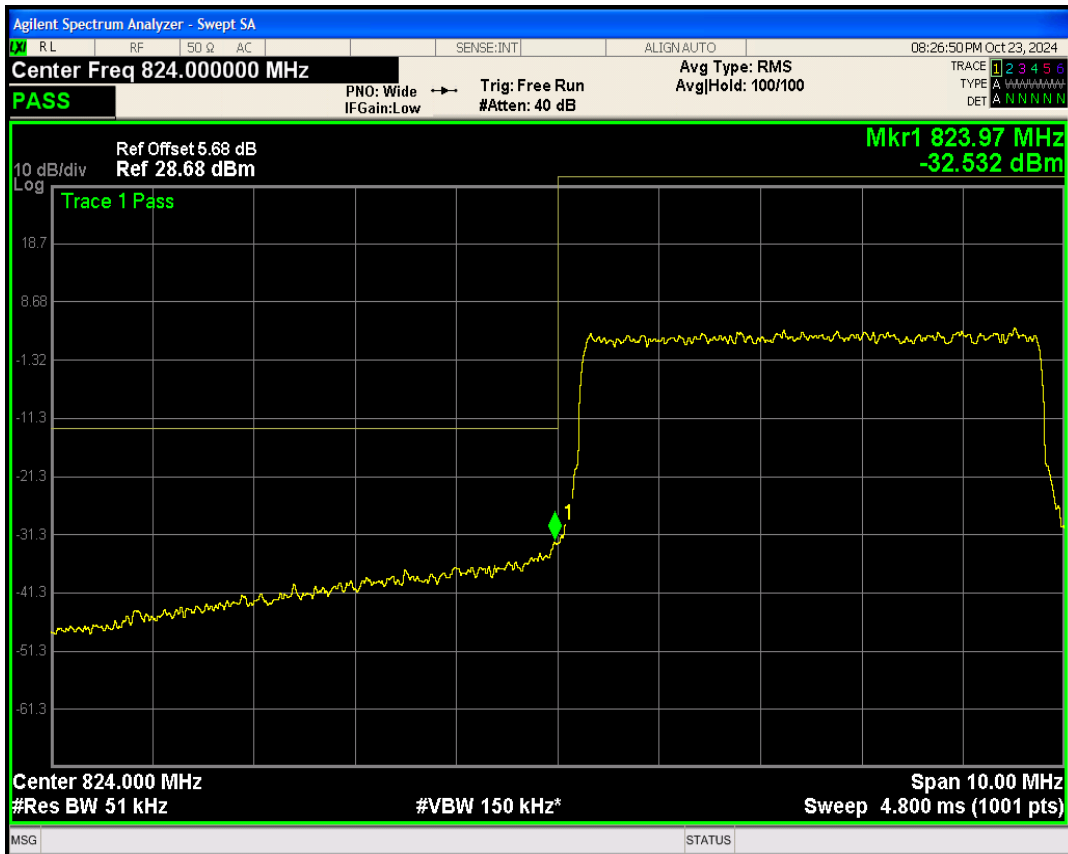
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



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



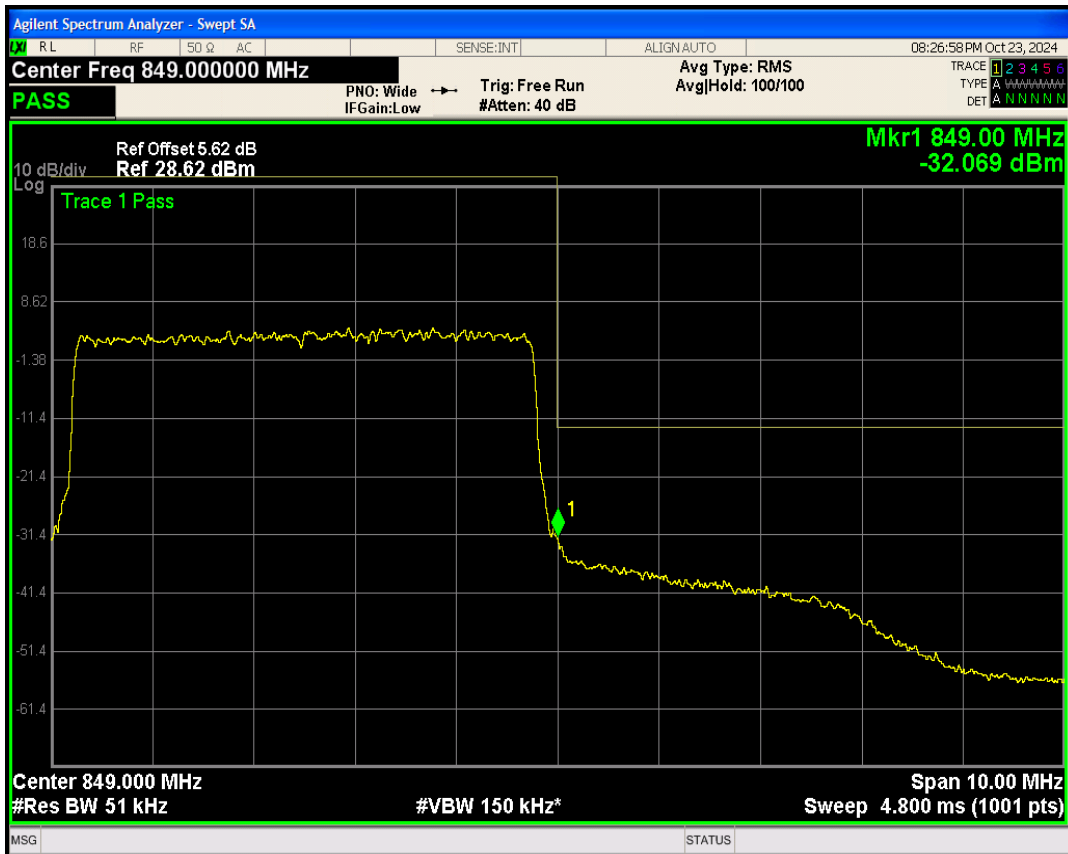
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



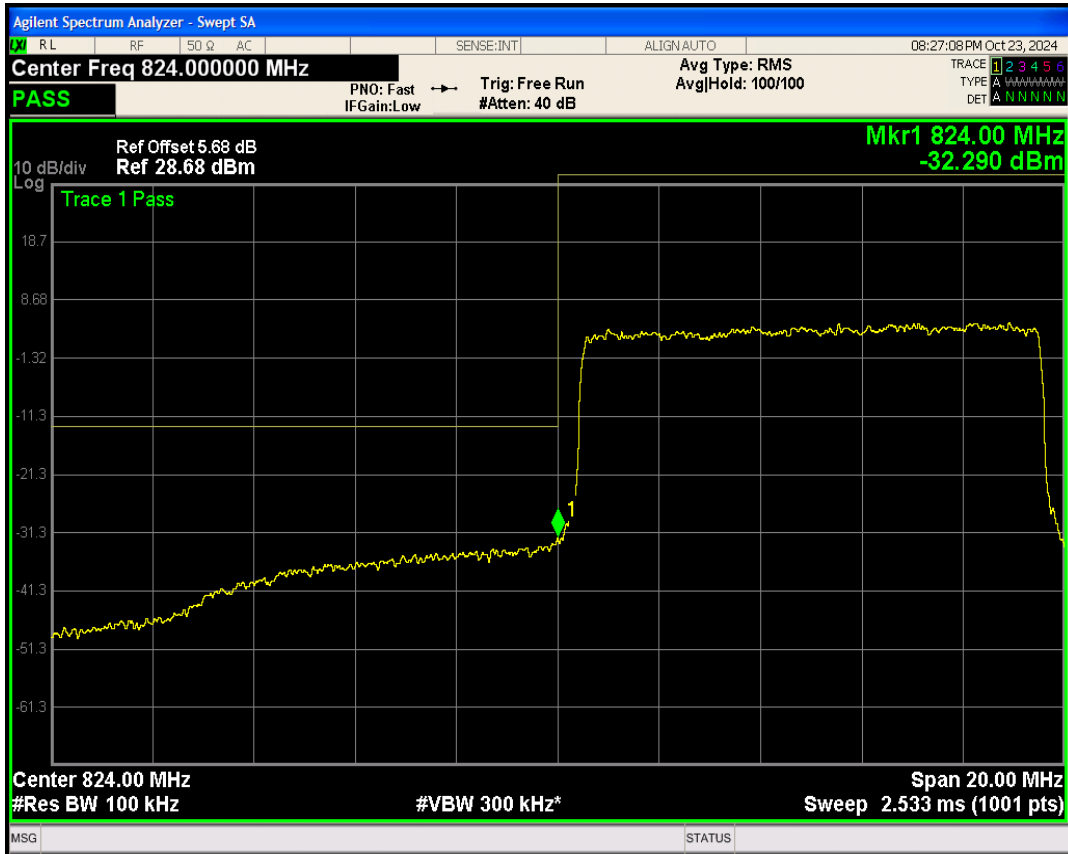
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



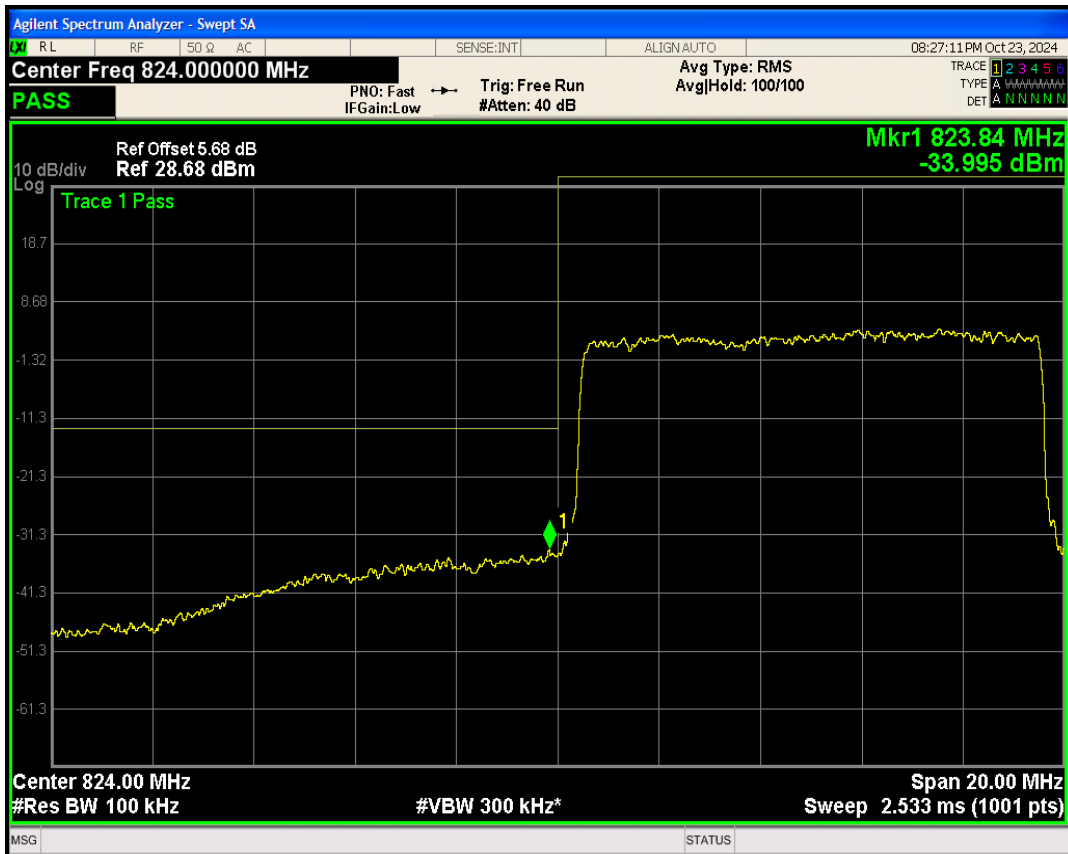
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



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



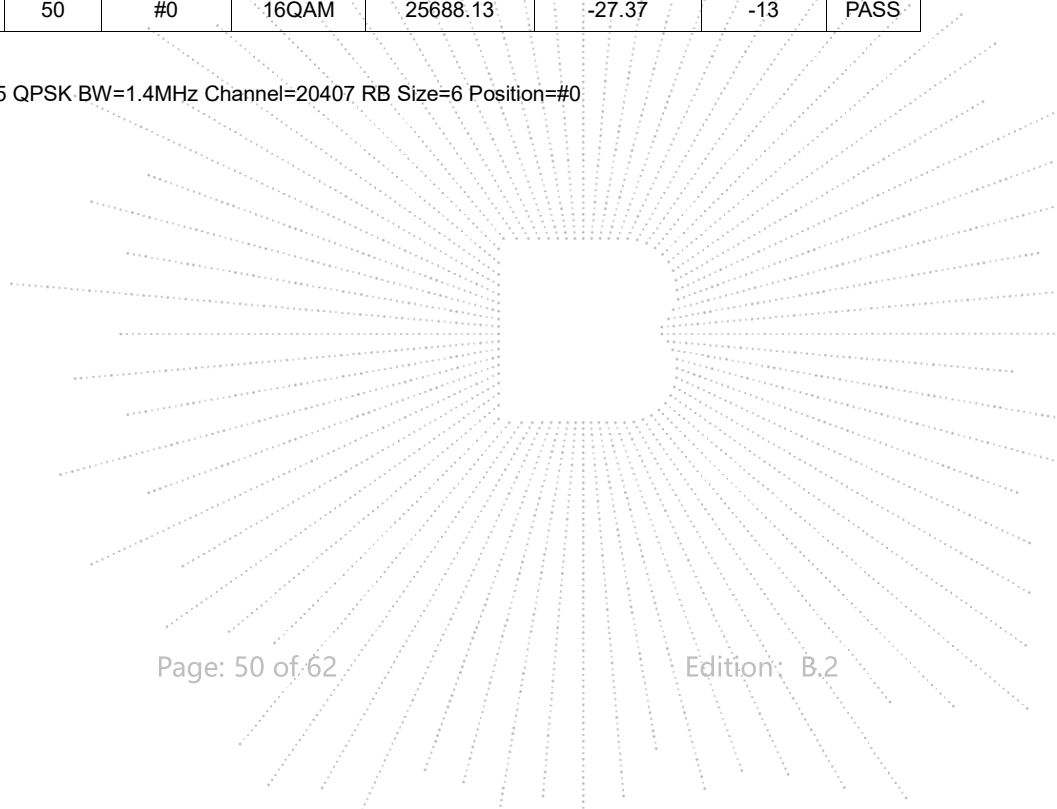
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0

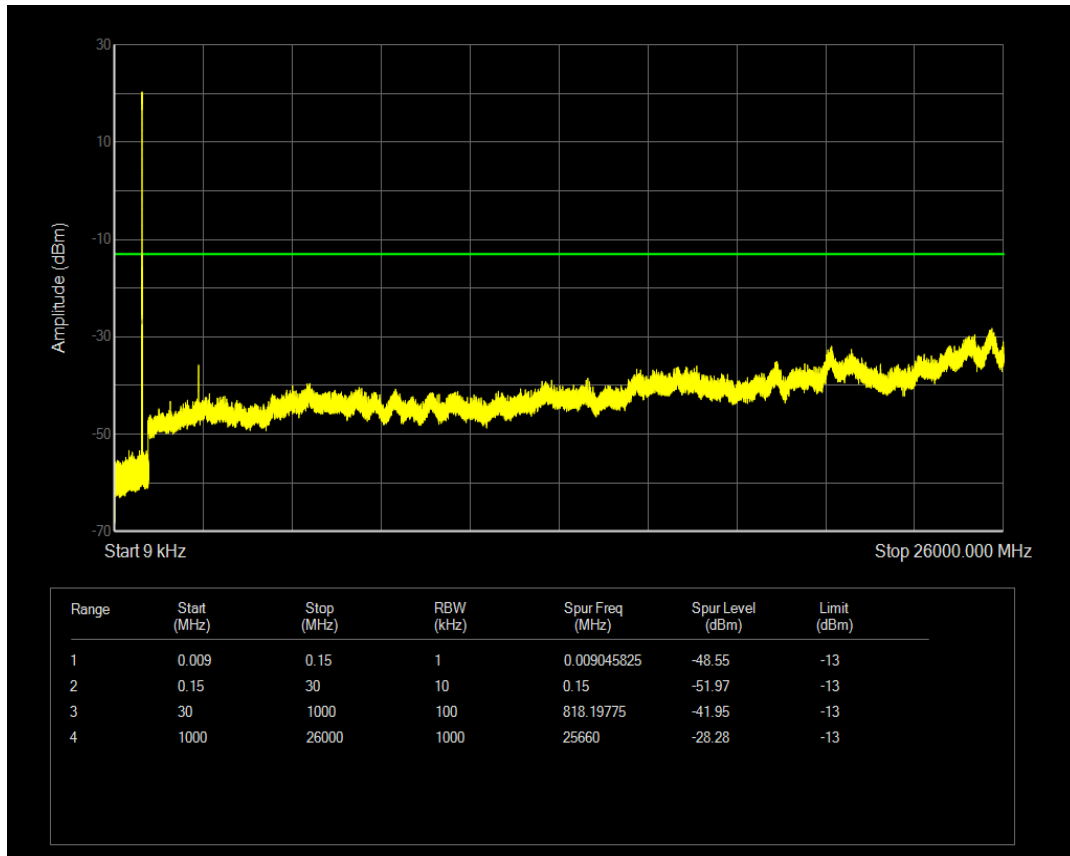


Appendix 6. Out-of-band emissions

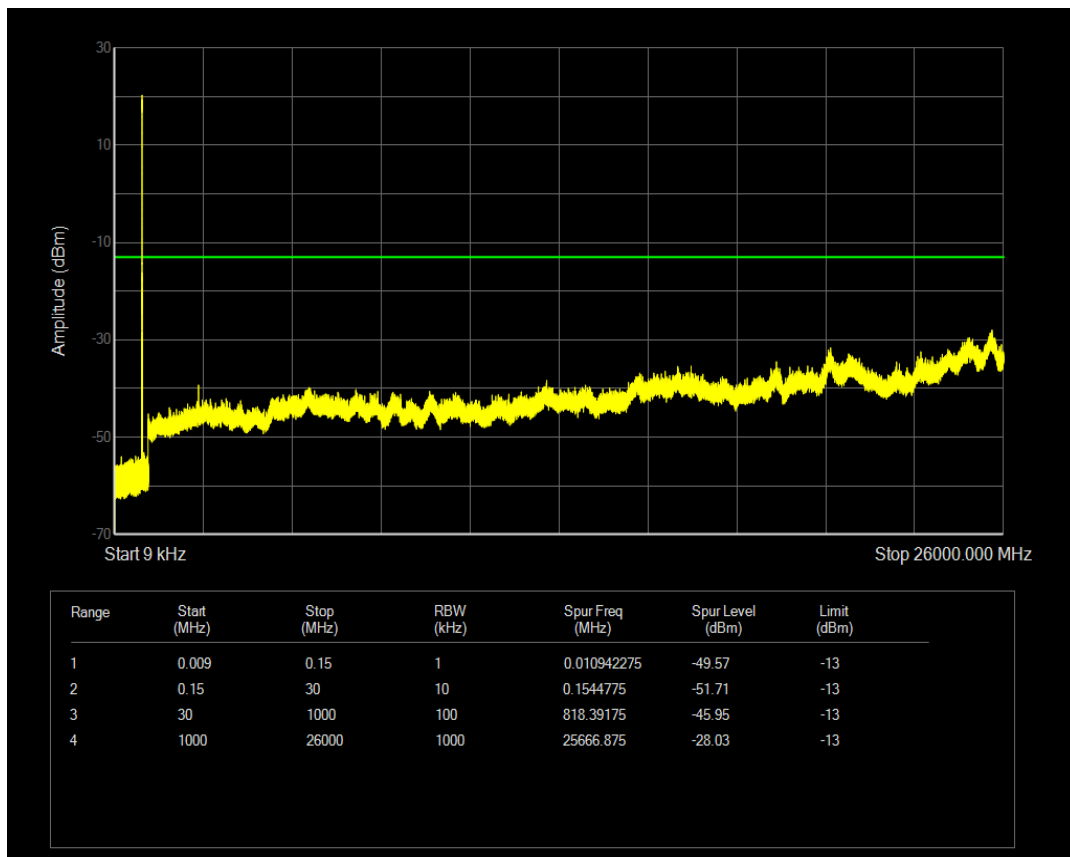
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	25660.00	-28.28	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25666.88	-28.03	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25608.75	-28.44	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25625.00	-28.14	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25608.75	-27.55	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25616.88	-28.34	-13	PASS
Band5	3	20415	15	#0	QPSK	25593.13	-28.05	-13	PASS
Band5	3	20415	15	#0	16QAM	25626.25	-27.41	-13	PASS
Band5	3	20525	15	#0	QPSK	25610.63	-27.40	-13	PASS
Band5	3	20525	15	#0	16QAM	25616.25	-27.44	-13	PASS
Band5	3	20635	15	#0	QPSK	25580.00	-26.23	-13	PASS
Band5	3	20635	15	#0	16QAM	25642.50	-27.89	-13	PASS
Band5	5	20425	25	#0	QPSK	25700.00	-27.68	-13	PASS
Band5	5	20425	25	#0	16QAM	25674.38	-28.50	-13	PASS
Band5	5	20525	25	#0	QPSK	25641.25	-28.09	-13	PASS
Band5	5	20525	25	#0	16QAM	25581.25	-28.40	-13	PASS
Band5	5	20625	25	#0	QPSK	25628.13	-28.09	-13	PASS
Band5	5	20625	25	#0	16QAM	25650.63	-28.22	-13	PASS
Band5	10	20450	50	#0	QPSK	25640.63	-28.16	-13	PASS
Band5	10	20450	50	#0	16QAM	25620.00	-27.32	-13	PASS
Band5	10	20525	50	#0	QPSK	25656.88	-27.80	-13	PASS
Band5	10	20525	50	#0	16QAM	25697.50	-28.46	-13	PASS
Band5	10	20600	50	#0	QPSK	25670.63	-27.73	-13	PASS
Band5	10	20600	50	#0	16QAM	25688.13	-27.37	-13	PASS

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

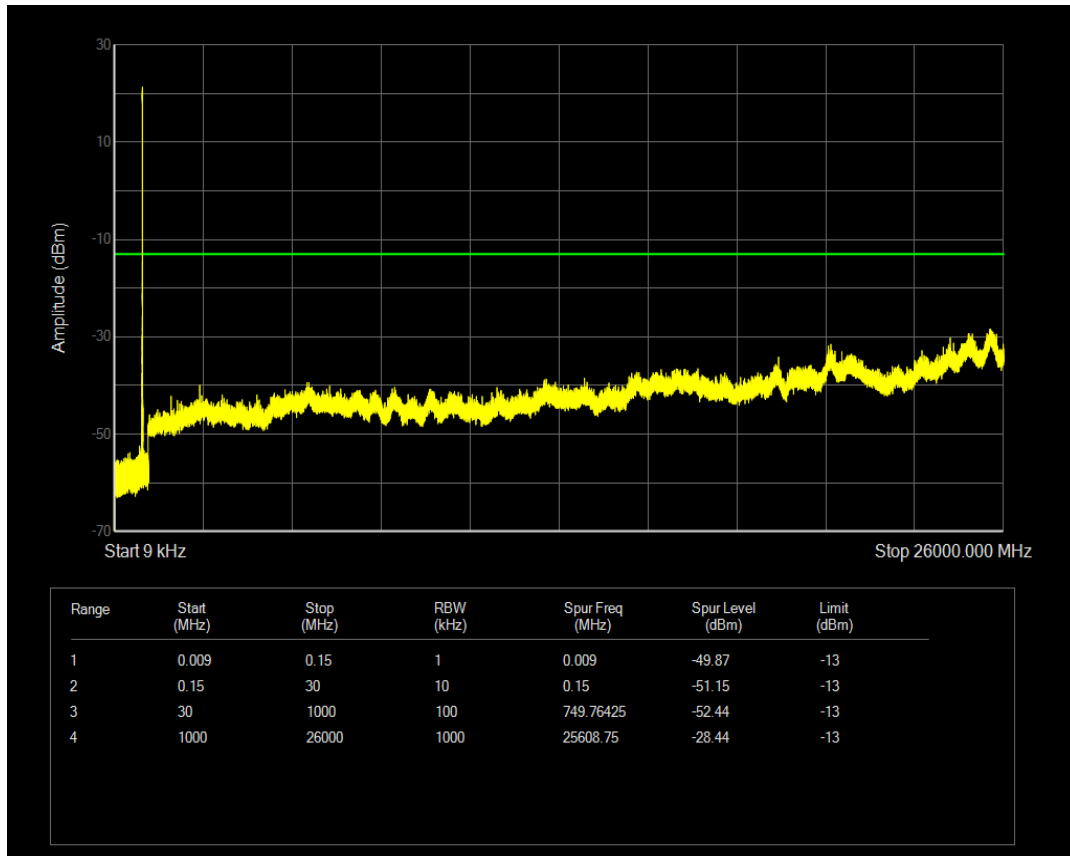




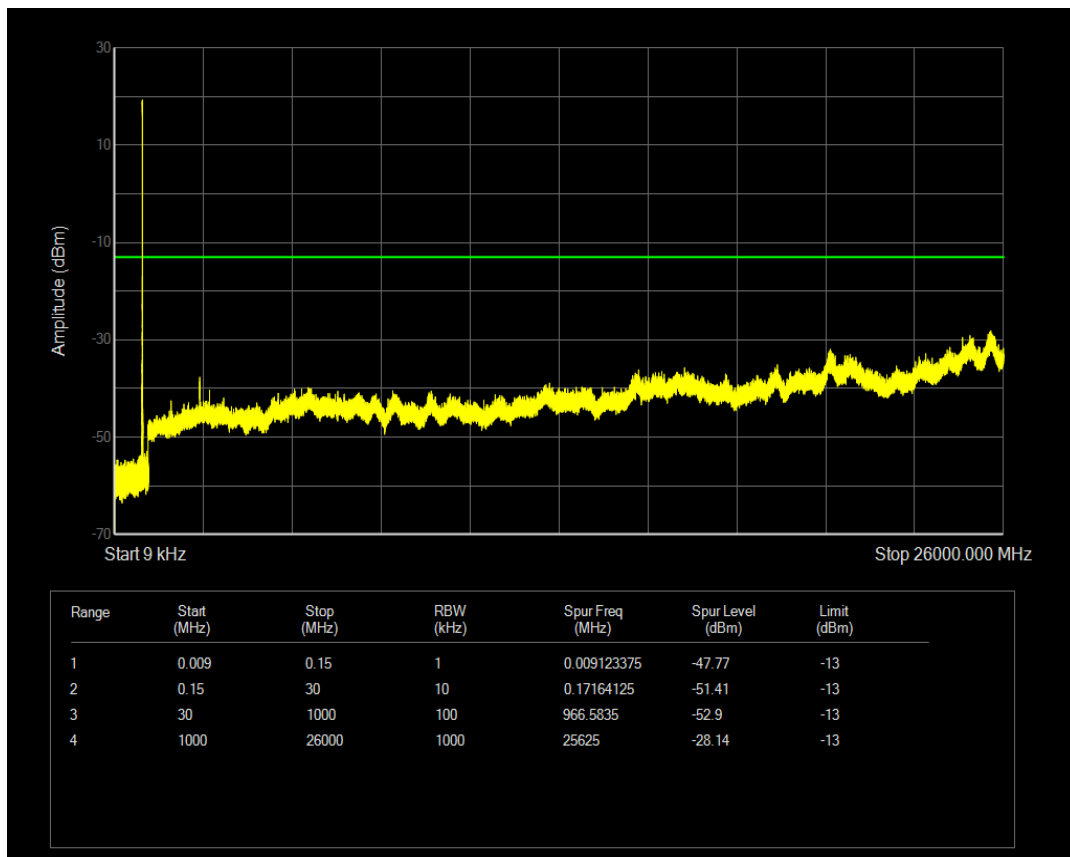
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



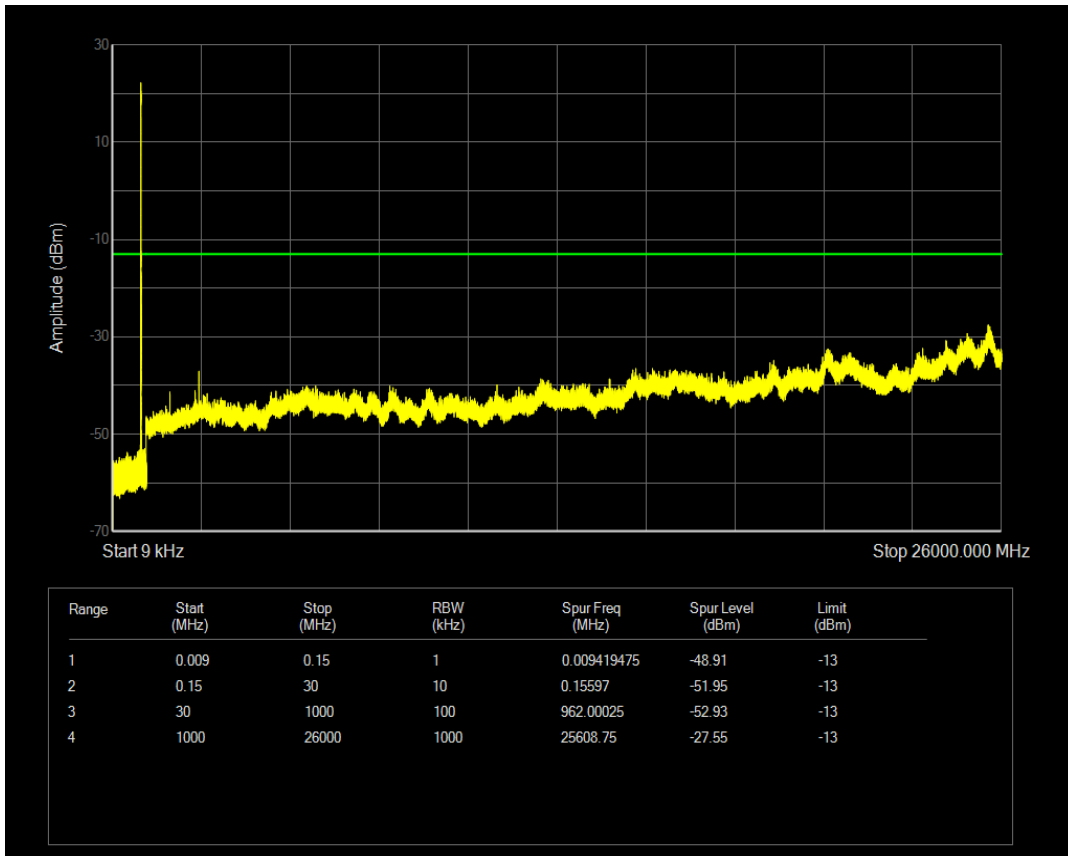
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



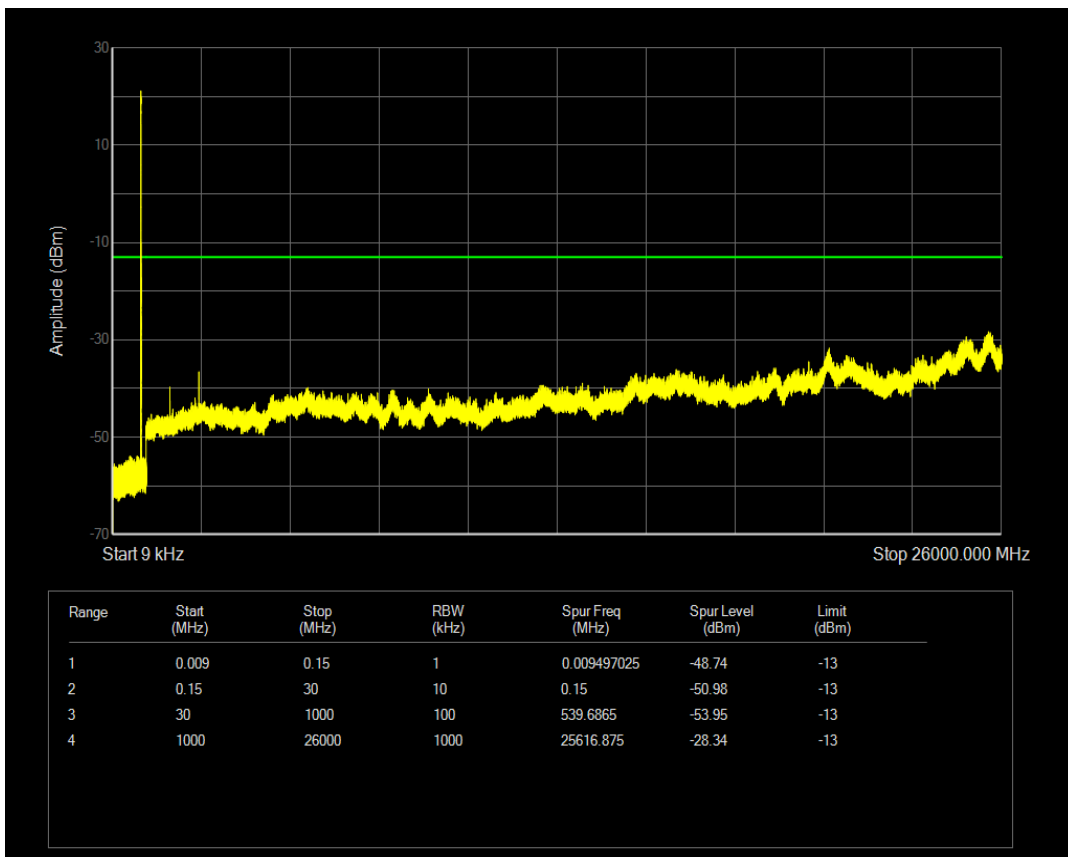
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



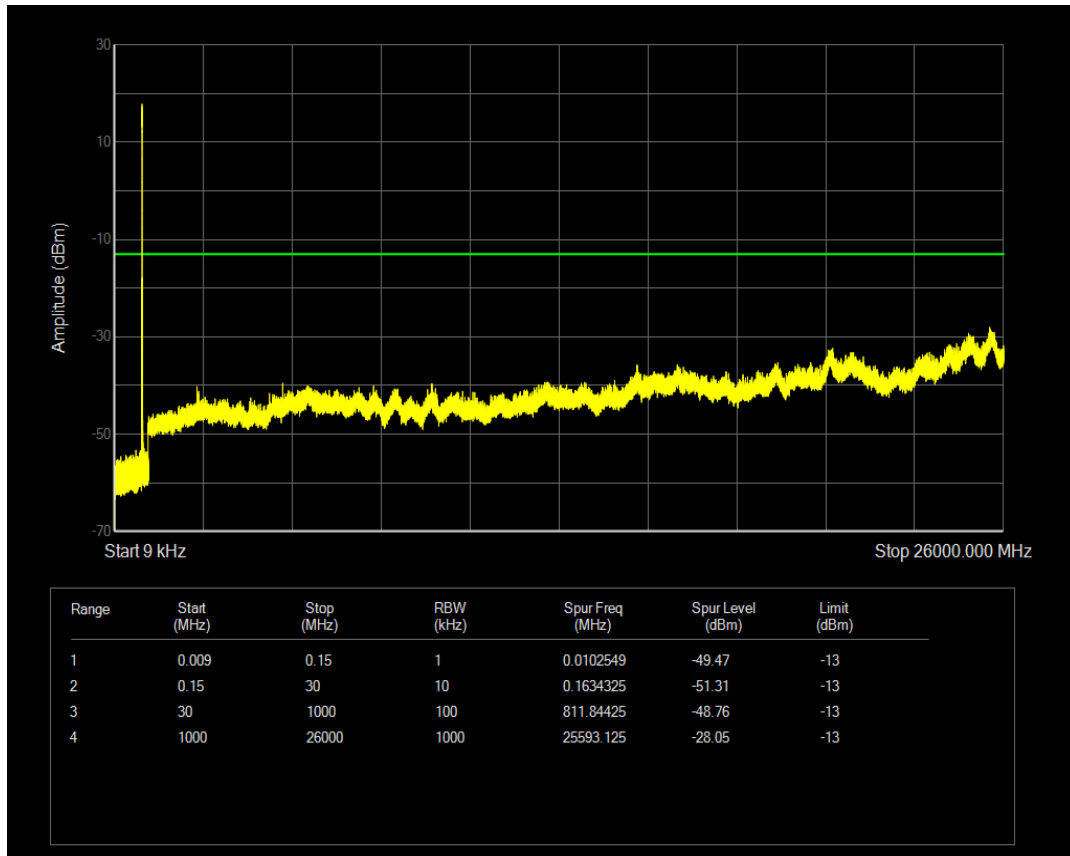
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



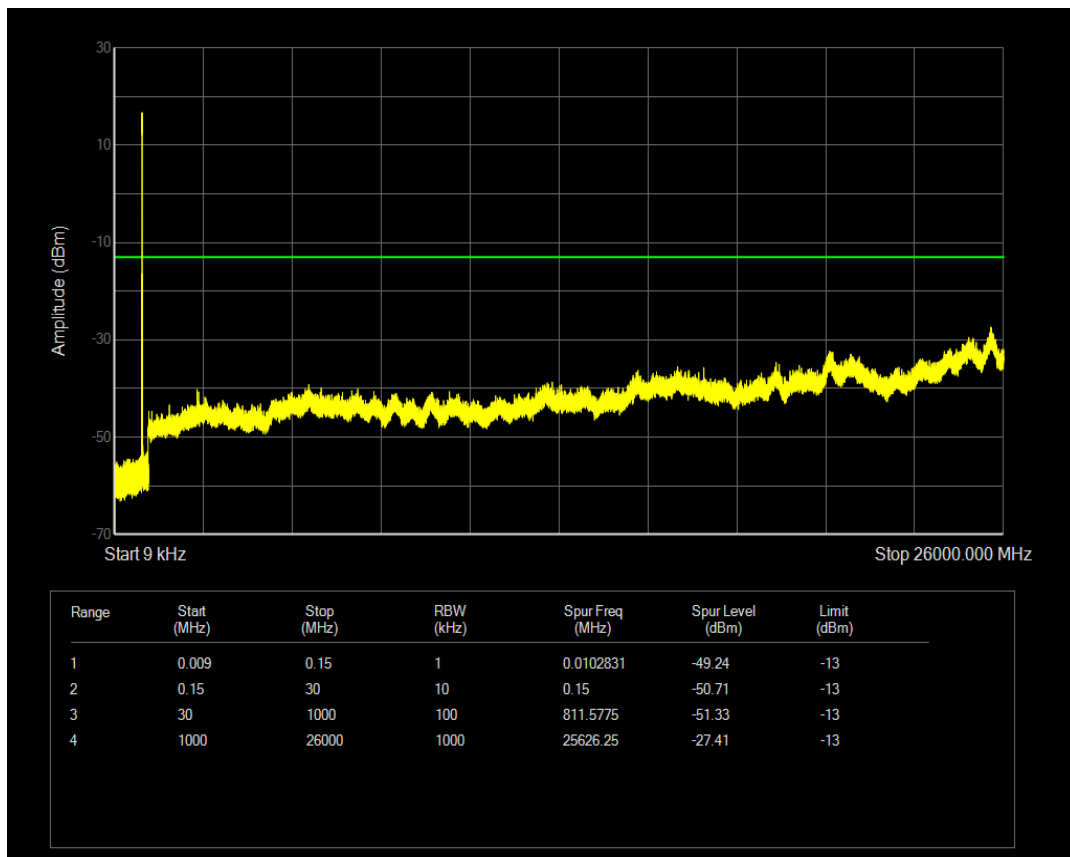
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



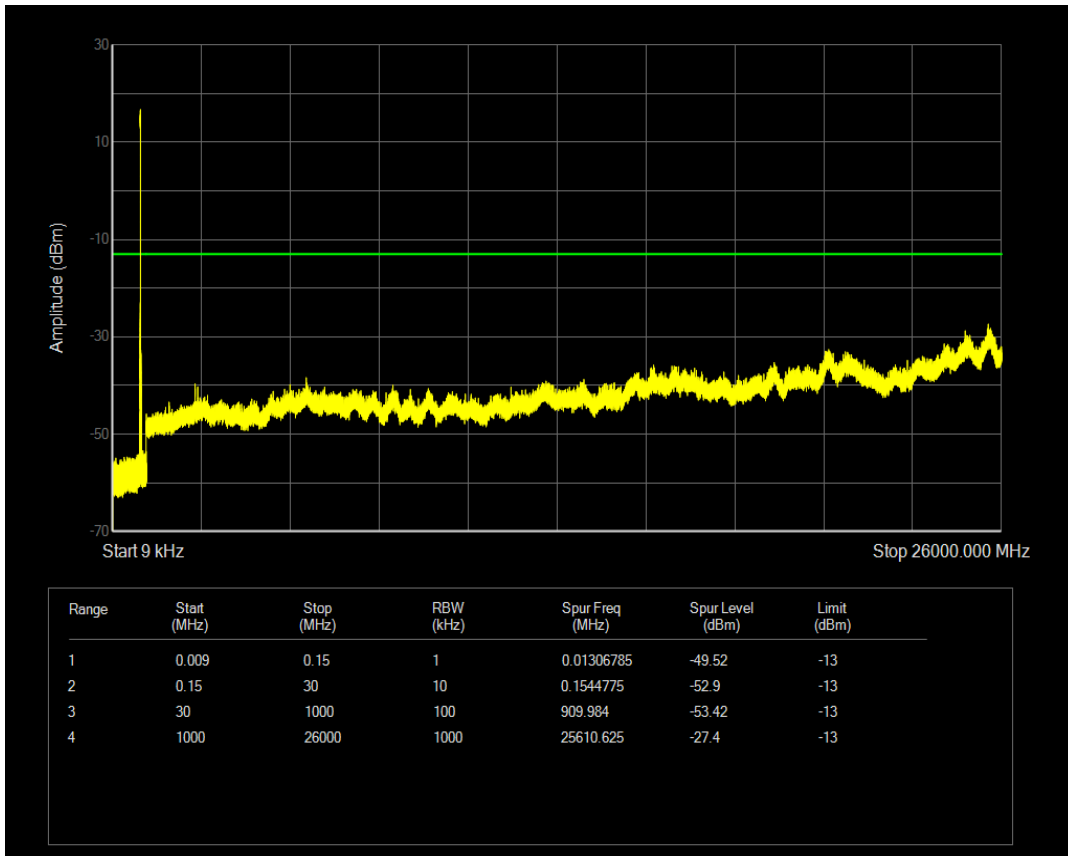
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



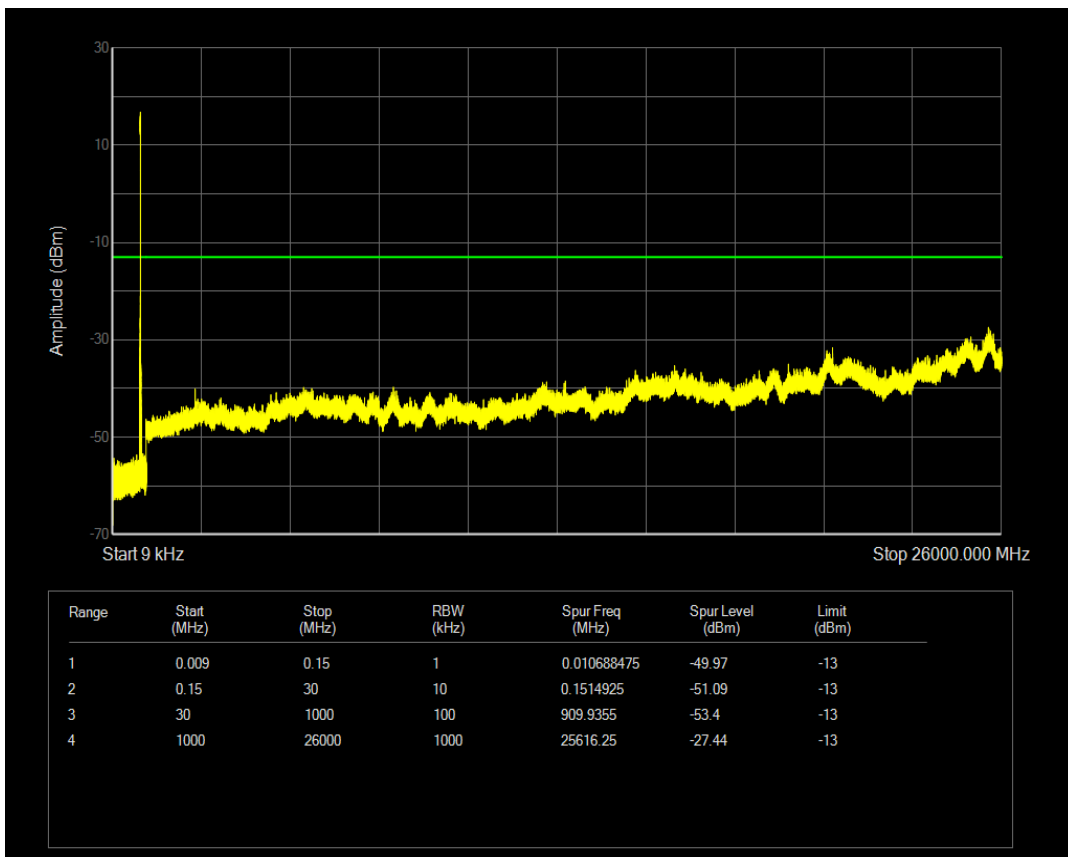
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



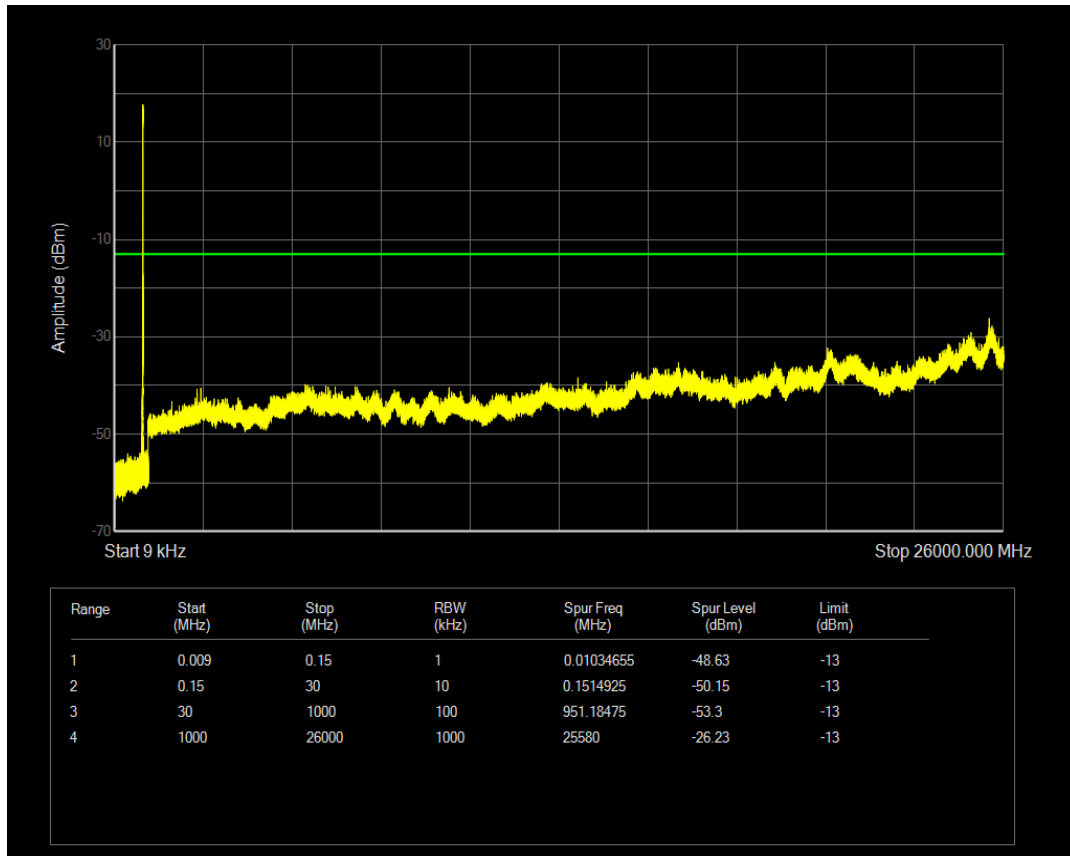
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



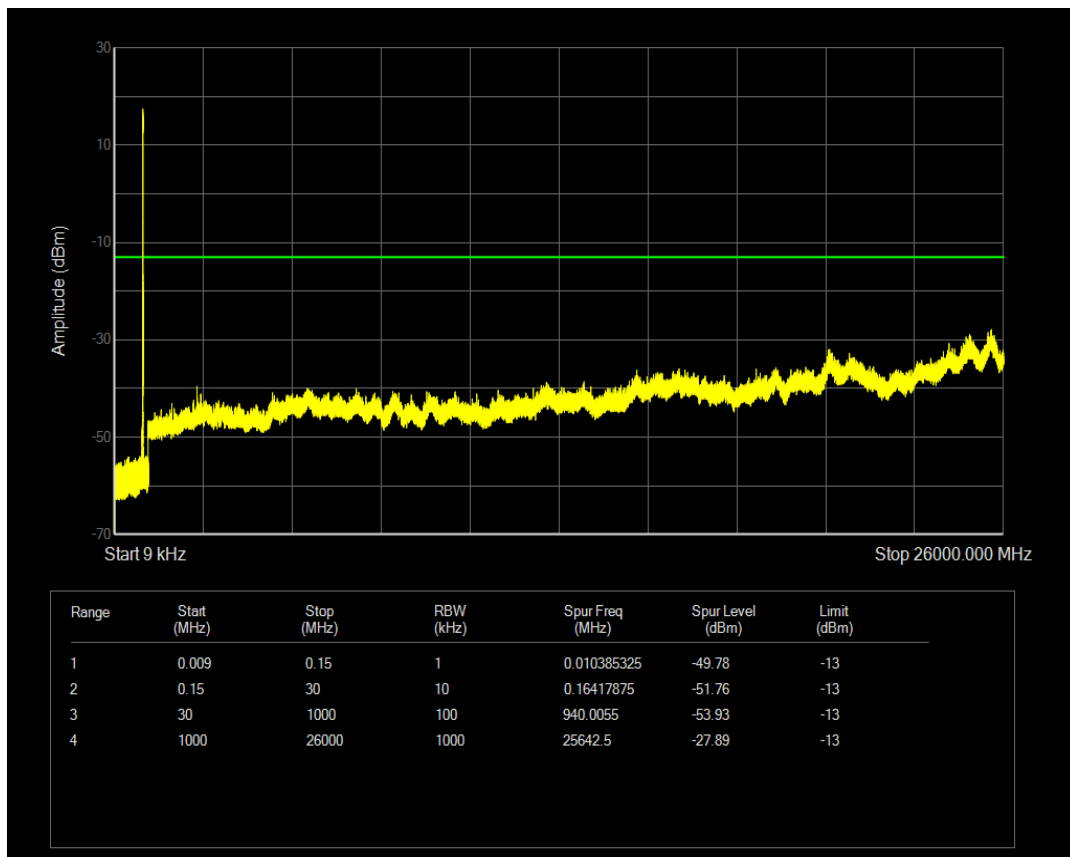
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



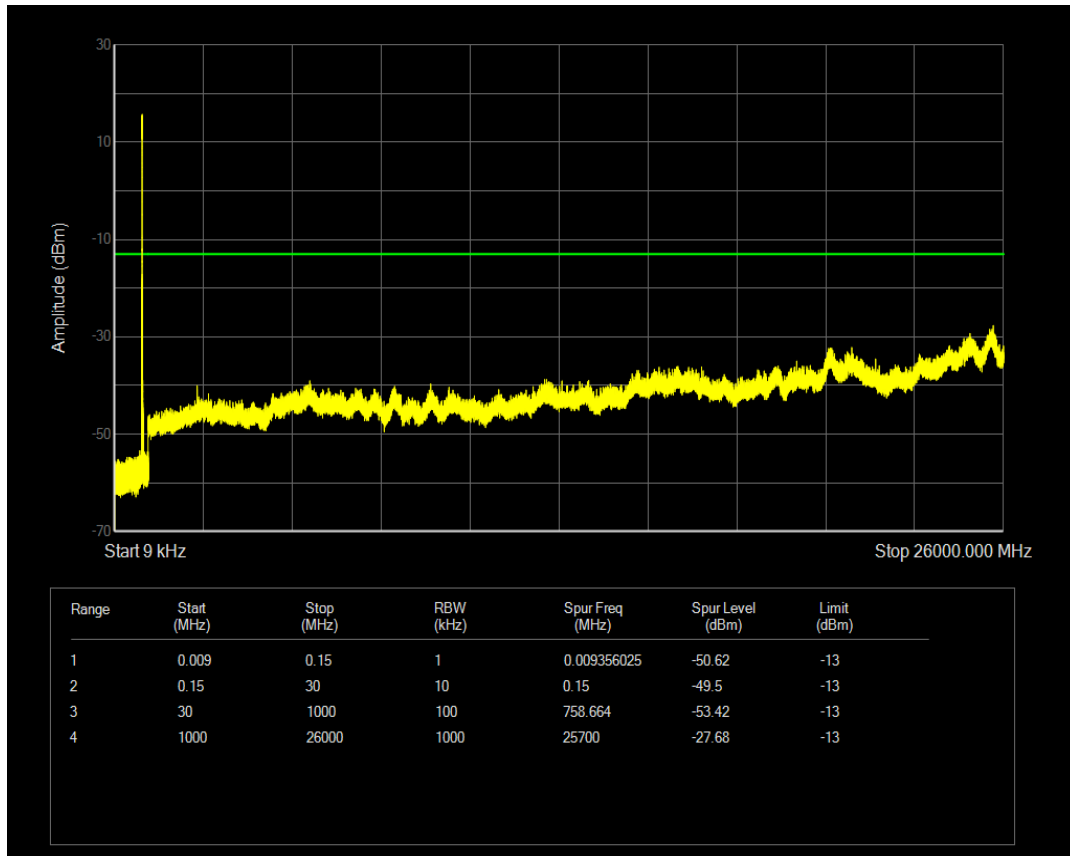
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



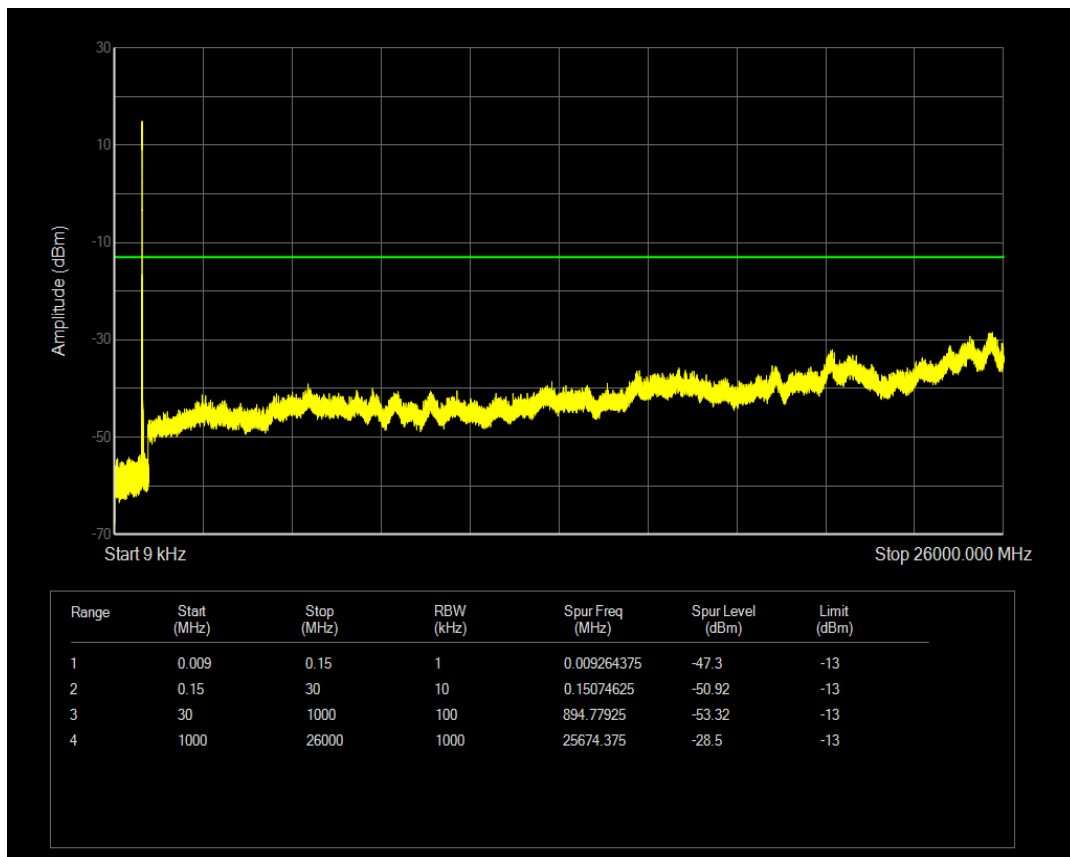
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



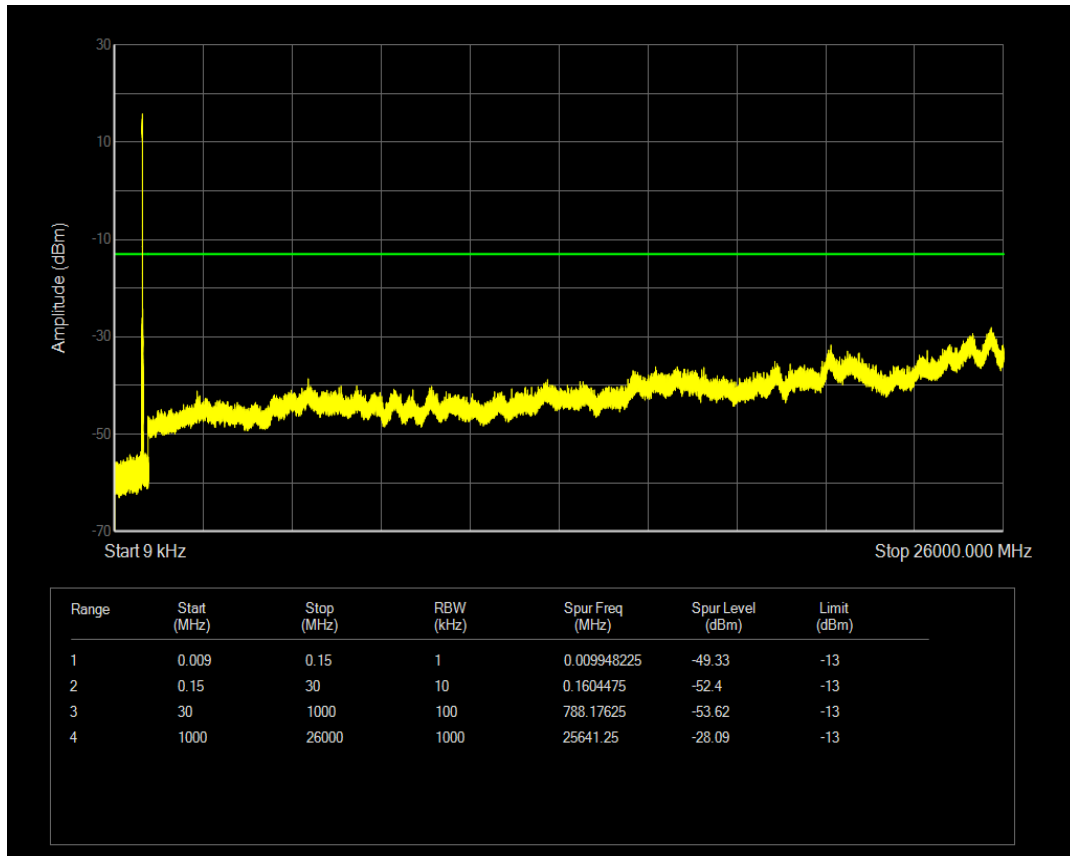
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



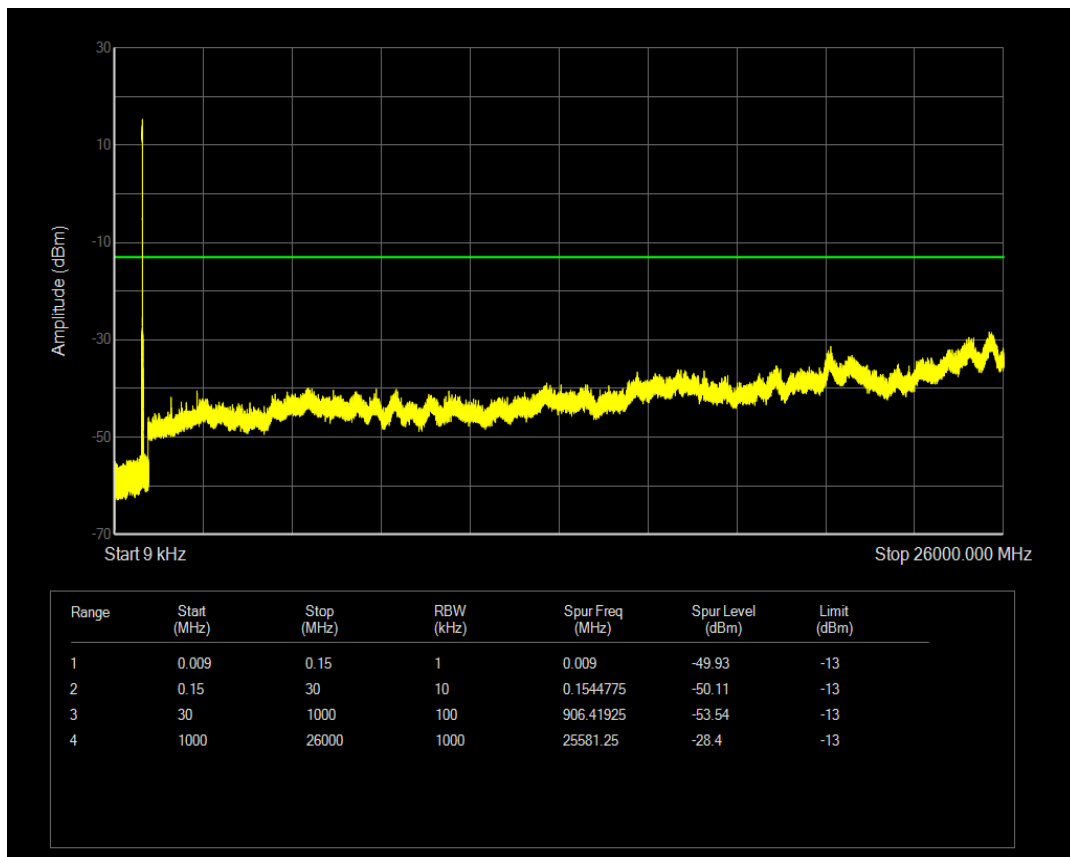
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



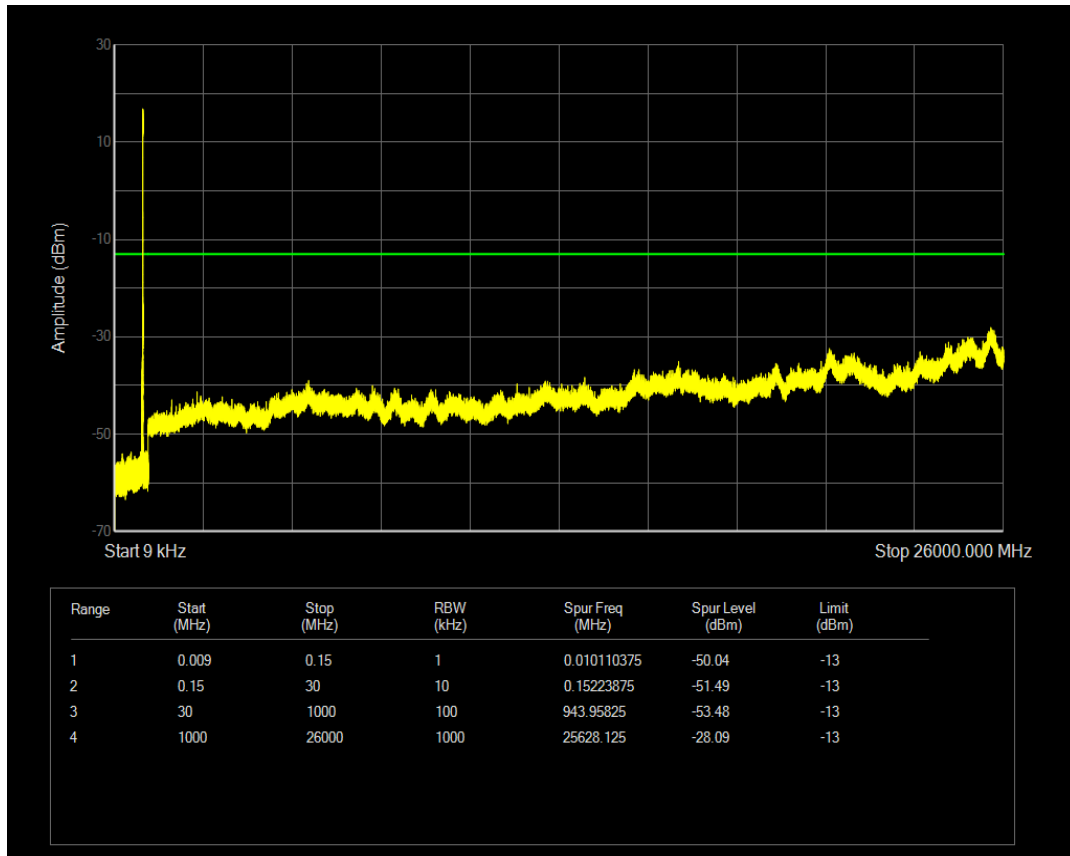
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



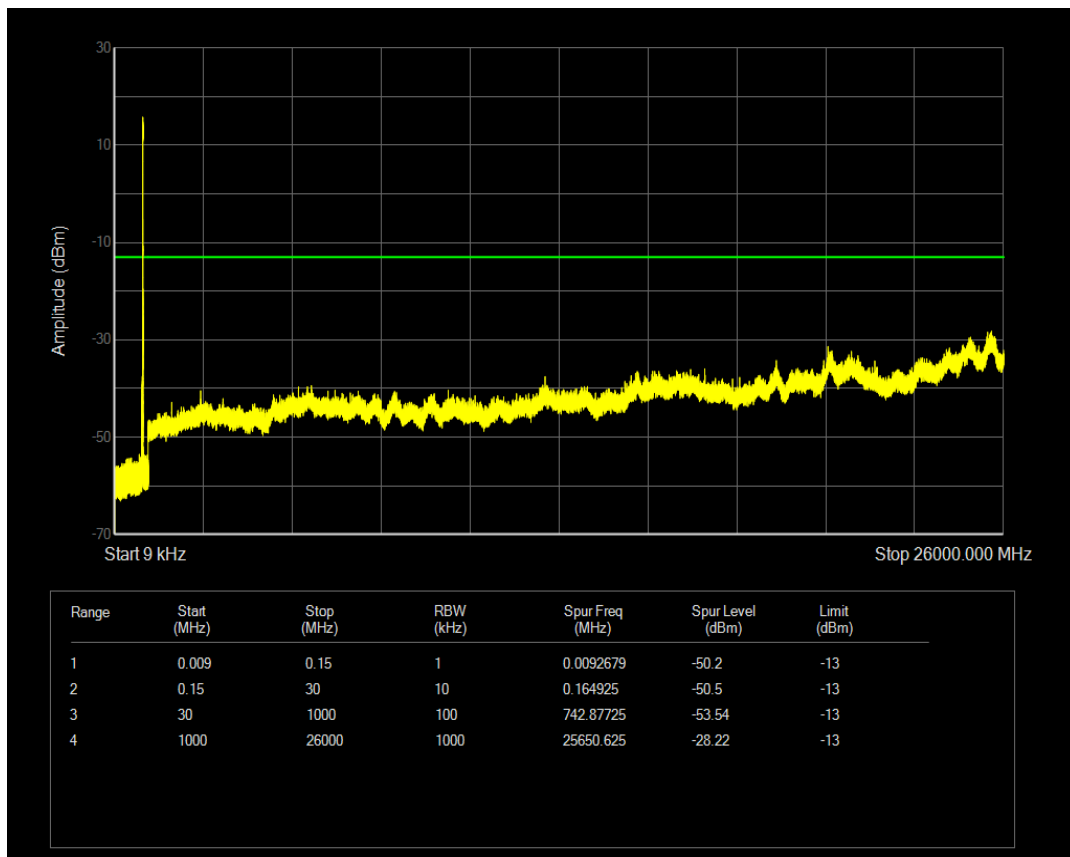
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



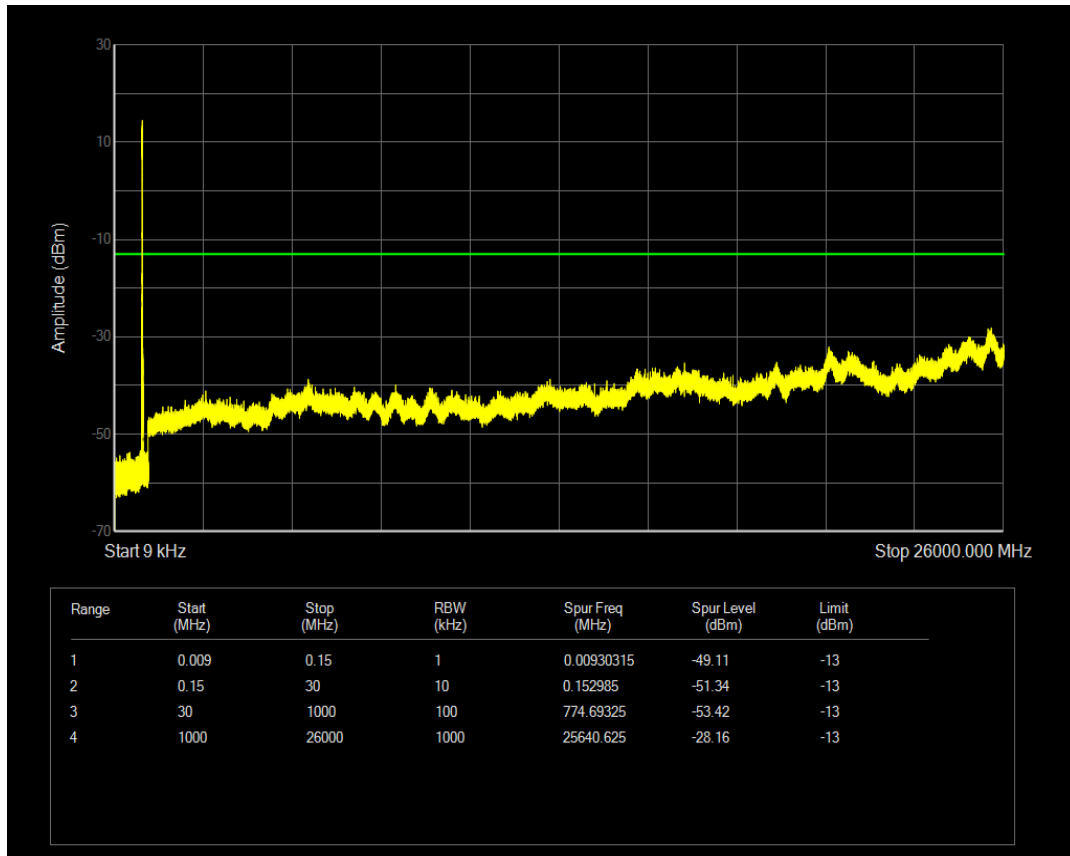
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



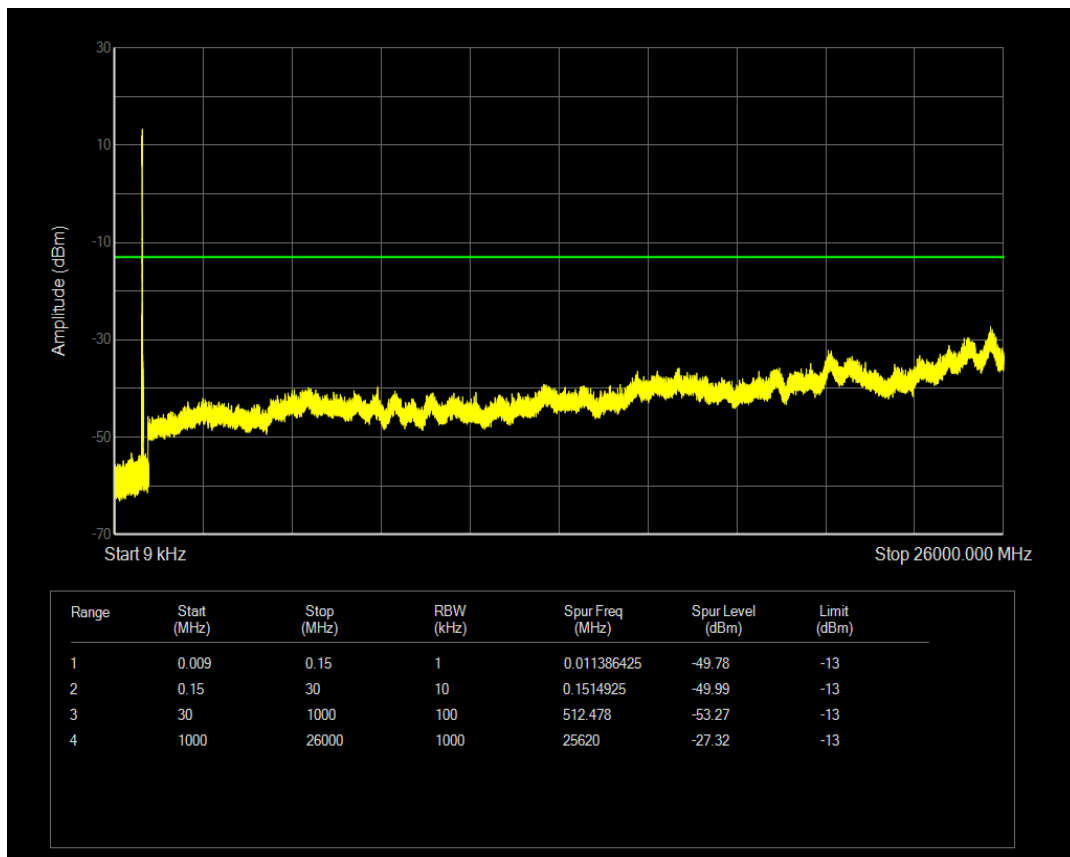
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



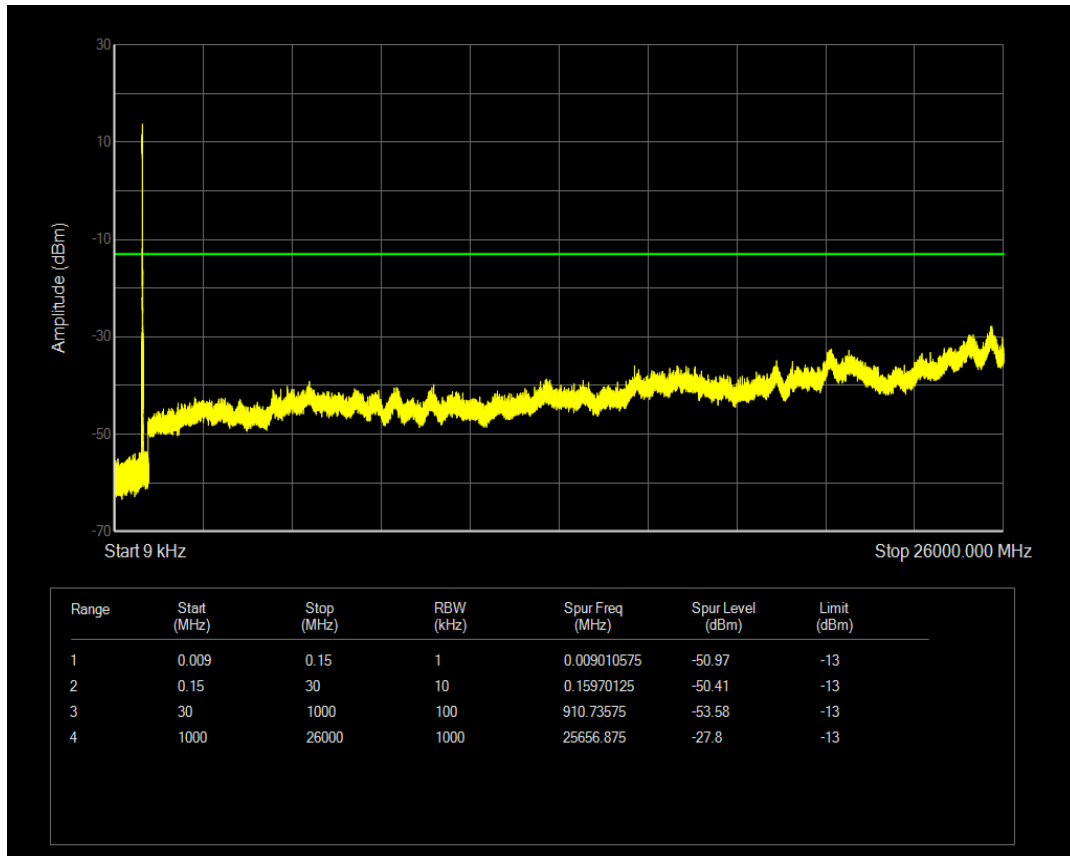
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



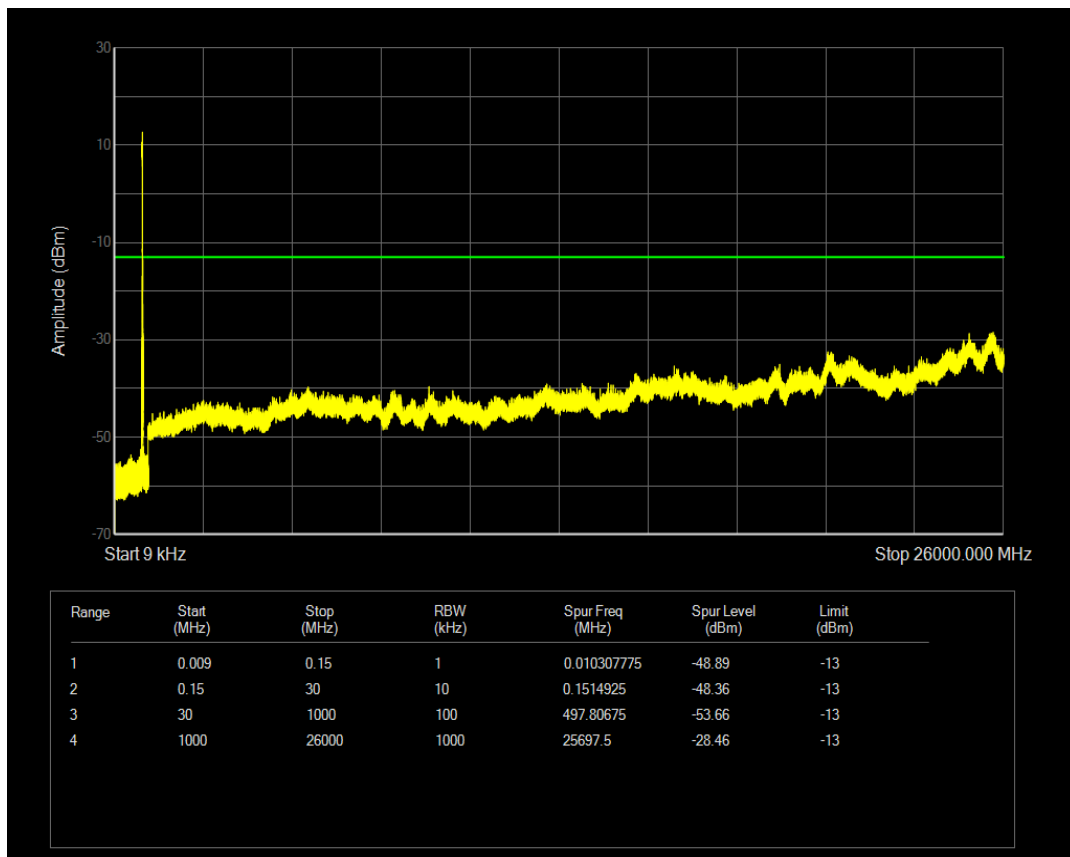
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



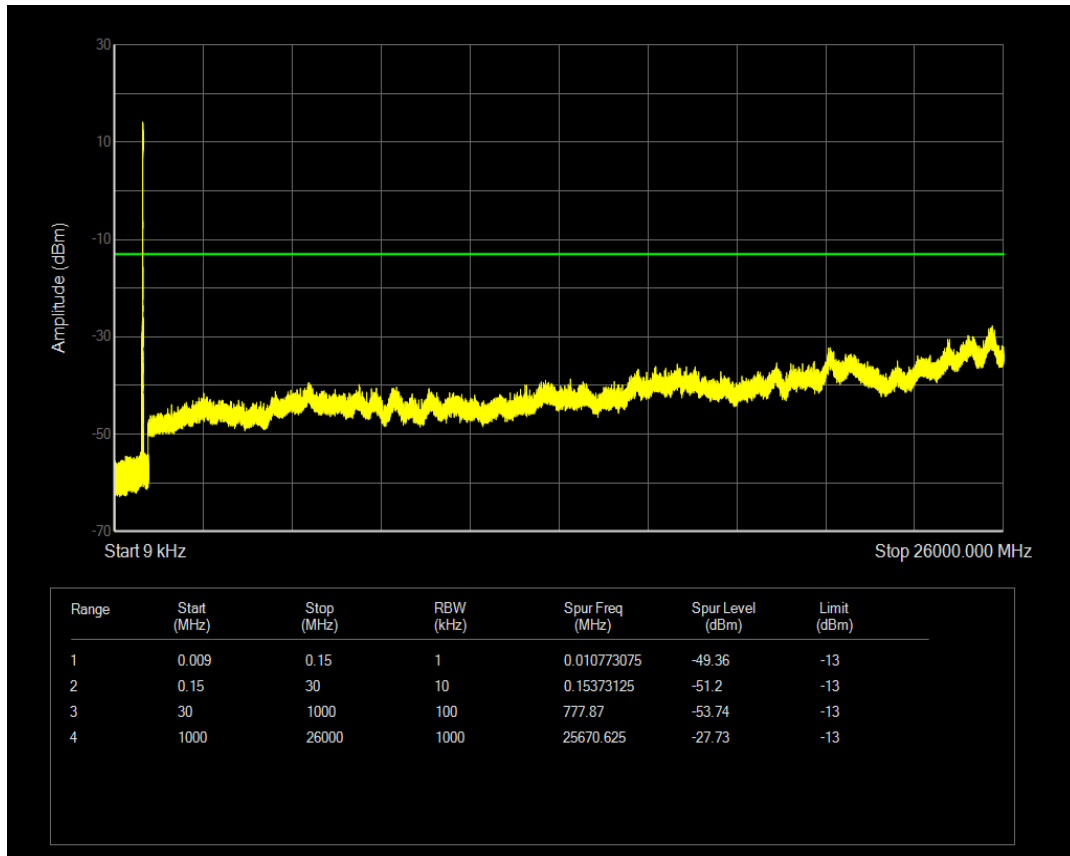
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



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

