Appendix for Band 5

Report No.:	BCTC2407486227-6E
Applicant:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Product Name:	Tablet
Test Model:	RT9
Tested Date:	2024-07-03 to 2024-08-22

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	24.19	-2.16	19.88	PASS
Band5	1.4	20407	1	#Mid	QPSK	24.19	-2.16	19.88	PASS
Band5	1.4	20407	1	#Max	QPSK	24.16	-2.16	19.85	PASS
Band5	1.4	20407	3	#0	QPSK	24.14	-2.16	19.83	PASS
Band5	1.4	20407	3	#Mid	QPSK	24.15	-2.16	19.84	PASS
Band5	1.4	20407	3	#Max	QPSK	24.12	-2.16	19.81	PASS
Band5	1.4	20407	6	#0	QPSK	23.15	-2.16	18.84	PASS
Band5	1.4	20407	1	#0	16QAM	24.64	-2.16	20.33	PASS
Band5	1.4	20407	1	#Mid	16QAM	24.67	-2.16	20.36	PASS
Band5	1.4	20407	1	#Max	16QAM	24.61	-2.16	20.30	PASS
Band5	1.4	20407	3	#0	16QAM	23.40	-2.16	19.09	PASS
Band5	1.4	20407	3	#Mid	16QAM	23.40	-2.16	19.09	PASS
Band5	1.4	20407	3	#Max	16QAM	23.41	-2.16	19.10	PASS
Band5	1.4	20407	6	#0	16QAM	22.28	-2.16	17.97	PASS
Band5	1.4	20525	1	#0	QPSK	24.49	-2.16	20.18	PASS
Band5	1.4	20525	1	#Mid	QPSK	24.47	-2.16	20.16	PASS
Band5	1.4	20525	1	#Max	QPSK	24.46	-2.16	20.15	PASS
Band5	1.4	20525	3	#0	QPSK	24.40	-2.16	20.09	PASS
Band5	1.4	20525	3	#Mid	QPSK	24.35	-2.16	20.04	PASS
Band5	1.4	20525	3	#Max	QPSK	24.38	-2.16	20.07	PASS
Band5	1.4	20525	6	#0	QPSK	23.37	-2.16	19.06	PASS
Band5	1.4	20525	1	#0	16QAM	23.96	-2.16	19.65	PASS
Band5	1.4	20525	1	#Mid	16QAM	23.92	-2.16	19.61	PASS
Band5	1.4	20525	1	#Max	16QAM	23.90	-2.16	19.59	PASS
Band5	1.4	20525	3	#0	16QAM	23.41	-2.16	19.10	PASS
Band5	1.4	20525	3	#Mid	16QAM	23.40	-2.16	19.09	PASS
Band5	1.4	20525	3	#Max	16QAM	23.39	-2.16	19.08	PASS
Band5	1.4	20525	6	#0	16QAM	22.57	-2.16	18.26	PASS
Band5	1.4	20643	1	#0	QPSK	24.40	-2.16	20.09	PASS
Band5	1.4	20643	1	#Mid	QPSK	24.46	-2.16	20.15	PASS
Band5	1.4	20643	1	#Max	QPSK	24.47	-2.16	20.16	PASS
Band5	1.4	20643	3	#0	QPSK	24.50	-2.16	20.19	PASS
Band5	1.4	20643	3	#Mid	QPSK	24.47	-2.16	20.16	PASS
Band5	1.4	20643	3	#Max	QPSK	24.45	-2.16	20.14	PASS
Band5	1.4	20643	6	#0	QPSK	23.37	-2.16	19.06	PASS
Band5	1.4	20643	1	#0	16QAM	24.03	-2.16	19.72	PASS

Band5	1.4	20643	1	#Mid	16QAM	24.06	-2.16	19.75	PASS
Band5	1.4	20643	1	#Max	16QAM	24.08	-2.16	19.77	PASS
Band5	1.4	20643	3	#0	16QAM	23.24	-2.16	18.93	PASS
Band5	1.4	20643	3	#Mid	16QAM	23.31	-2.16	19.00	PASS
Band5	1.4	20643	3	#Max	16QAM	23.29	-2.16	18.98	PASS
Band5	1.4	20643	6	#0	16QAM	22.45	-2.16	18.14	PASS
Band5	3	20415	1	#0	QPSK	24.04	-2.16	19.73	PASS
Band5	3	20415	1	#Mid	QPSK	24.07	-2.16	19.76	PASS
Band5	3	20415	1	#Max	QPSK	24.06	-2.16	19.75	PASS
Band5	3	20415	8	#0	QPSK	23.14	-2.16	18.83	PASS
Band5	3	20415	8	#Mid	QPSK	23.05	-2.16	18.74	PASS
Band5	3	20415	8	#Max	QPSK	23.15	-2.16	18.84	PASS
Band5	3	20415	15	#0	QPSK	23.15	-2.16	18.84	PASS
Band5	3	20415	1	#0	16QAM	24.60	-2.16	20.29	PASS
Band5	3	20415	1	#Mid	16QAM	24.61	-2.16	20.30	PASS
Band5	3	20415	1	#Max	16QAM	24.59	-2.16	20.28	PASS
Band5	3	20415	8	#0	16QAM	21.99	-2.16	17.68	PASS
Band5	3	20415	8	#Mid	16QAM	22.00	-2.16	17.69	PASS
Band5	3	20415	8	#Max	16QAM	22.00	-2.16	17.69	PASS
Band5	3	20415	15	#0	16QAM	22.21	-2.16	17.90	PASS
Band5	3	20525	1	#0	QPSK	24.45	-2.16	20.14	PASS
Band5	3	20525	1	#Mid	QPSK	24.49	-2.16	20.18	PASS
Band5	3	20525	1	#Max	QPSK	24.50	-2.16	20.19	PASS
Band5	3	20525	8	#0	QPSK	23.40	-2.16	19.09	PASS
Band5	3	20525	8	#Mid	QPSK	23.39	-2.16	19.08	PASS
Band5	3	20525	8	#Max	QPSK	23.37	-2.16	19.06	PASS
Band5	3	20525	15	#0	QPSK	23.43	-2.16	19.12	PASS
Band5	3	20525	1	#0	16QAM	23.96	-2.16	19.65	PASS
Band5	3	20525	1	#Mid	16QAM	23.92	-2.16	19.61	PASS
Band5	3	20525	1	#Max	16QAM	23.93	-2.16	19.62	PASS
Band5	3	20525	8	#0	16QAM	22.56	-2.16	18.25	PASS
Band5	3	20525	8	#Mid	16QAM	22.43	-2.16	18.12	PASS
Band5	3	20525	8	#Max	16QAM	22.48	-2.16	18.17	PASS
Band5	3	20525	15	#0	16QAM	22.33	-2.16	18.02	PASS
Band5	3	20635	1	#0	QPSK	24.56	-2.16	20.25	PASS
Band5	3	20635	1	#Mid	QPSK	24.56	-2.16	20.25	PASS
Band5	3	20635	1	#Max	QPSK	24.46	-2.16	20.15	PASS
Band5	3	20635	8	#0	QPSK	23.39	-2.16	19.08	PASS
Band5	3	20635	8	#Mid	QPSK	23.38	-2.16	19.07	PASS
Band5	3	20635	8	#Max	QPSK	23.47	-2.16	19.16	PASS
Band5	3	20635	15	#0	QPSK	23.48	-2.16	19.17	PASS
Band5	3	20635	1	#0	16QAM	24.10	-2.16	19.79	PASS
Band5	3	20635	1	#Mid	16QAM	24.07	-2.16	19.76	PASS

Band5	3	20635	1	#Max	16QAM	24.06	-2.16	19.75	PASS
Band5	3	20635	8	#0	16QAM	22.52	-2.16	18.21	PASS
Band5	3	20635	8	#Mid	16QAM	22.45	-2.16	18.14	PASS
Band5	3	20635	8	#Max	16QAM	22.51	-2.16	18.20	PASS
Band5	3	20635	15	#0	16QAM	22.46	-2.16	18.15	PASS
Band5	5	20425	1	#0	QPSK	23.96	-2.16	19.65	PASS
Band5	5	20425	1	#Mid	QPSK	23.94	-2.16	19.63	PASS
Band5	5	20425	1	#Max	QPSK	24.12	-2.16	19.81	PASS
Band5	5	20425	12	#0	QPSK	23.06	-2.16	18.75	PASS
Band5	5	20425	12	#Mid	QPSK	23.12	-2.16	18.81	PASS
Band5	5	20425	12	#Max	QPSK	23.13	-2.16	18.82	PASS
Band5	5	20425	25	#0	QPSK	23.16	-2.16	18.85	PASS
Band5	5	20425	1	#0	16QAM	23.69	-2.16	19.38	PASS
Band5	5	20425	1	#Mid	16QAM	23.70	-2.16	19.39	PASS
Band5	5	20425	1	#Max	16QAM	23.87	-2.16	19.56	PASS
Band5	5	20425	12	#0	16QAM	22.03	-2.16	17.72	PASS
Band5	5	20425	12	#Mid	16QAM	22.00	-2.16	17.69	PASS
Band5	5	20425	12	#Max	16QAM	22.04	-2.16	17.73	PASS
Band5	5	20425	25	#0	16QAM	22.15	-2.16	17.84	PASS
Band5	5	20525	1	#0	QPSK	24.35	-2.16	20.04	PASS
Band5	5	20525	1	#Mid	QPSK	24.43	-2.16	20.12	PASS
Band5	5	20525	1	#Max	QPSK	24.55	-2.16	20.24	PASS
Band5	5	20525	12	#0	QPSK	23.45	-2.16	19.14	PASS
Band5	5	20525	12	#Mid	QPSK	23.41	-2.16	19.10	PASS
Band5	5	20525	12	#Max	QPSK	23.45	-2.16	19.14	PASS
Band5	5	20525	25	#0	QPSK	23.36	-2.16	19.05	PASS
Band5	5	20525	1	#0	16QAM	23.92	-2.16	19.61	PASS
Band5	5	20525	1	#Mid	16QAM	23.88	-2.16	19.57	PASS
Band5	5	20525	1	#Max	16QAM	24.03	-2.16	19.72	PASS
Band5	5	20525	12	#0	16QAM	22.33	-2.16	18.02	PASS
Band5	5	20525	12	#Mid	16QAM	22.13	-2.16	17.82	PASS
Band5	5	20525	12	#Max	16QAM	22.15	-2.16	17.84	PASS
Band5	5	20525	25	#0	16QAM	22.35	-2.16	18.04	PASS
Band5	5	20625	1	#0	QPSK	24.31	-2.16	20.00	PASS
Band5	5	20625	1	#Mid	QPSK	24.28	-2.16	19.97	PASS
Band5	5	20625	1	#Max	QPSK	24.14	-2.16	19.83	PASS
Band5	5	20625	12	#0	QPSK	23.41	-2.16	19.10	PASS
Band5	5	20625	12	#Mid	QPSK	23.37	-2.16	19.06	PASS
Band5	5	20625	12	#Max	QPSK	23.38	-2.16	19.07	PASS
Band5	5	20625	25	#0	QPSK	23.38	-2.16	19.07	PASS
Band5	5	20625	1	#0	16QAM	24.47	-2.16	20.16	PASS
Band5	5	20625	1	#Mid	16QAM	24.52	-2.16	20.21	PASS
Band5	5	20625	1	#Max	16QAM	24.37	-2.16	20.06	PASS

Band5	5	20625	12	#0	16QAM	22.36	-2.16	18.05	PASS
Band5	5	20625	12	#Mid	16QAM	22.30	-2.16	17.99	PASS
Band5	5	20625	12	#Max	16QAM	22.29	-2.16	17.98	PASS
Band5	5	20625	25	#0	16QAM	22.53	-2.16	18.22	PASS
Band5	10	20450	1	#0	QPSK	23.99	-2.16	19.68	PASS
Band5	10	20450	1	#Mid	QPSK	24.08	-2.16	19.77	PASS
Band5	10	20450	1	#Max	QPSK	24.28	-2.16	19.97	PASS
Band5	10	20450	25	#0	QPSK	23.14	-2.16	18.83	PASS
Band5	10	20450	25	#Mid	QPSK	23.25	-2.16	18.94	PASS
Band5	10	20450	25	#Max	QPSK	23.31	-2.16	19.00	PASS
Band5	10	20450	50	#0	QPSK	23.23	-2.16	18.92	PASS
Band5	10	20450	1	#0	16QAM	24.57	-2.16	20.26	PASS
Band5	10	20450	1	#Mid	16QAM	24.70	-2.16	20.39	PASS
Band5	10	20450	1	#Max	16QAM	24.90	-2.16	20.59	PASS
Band5	10	20450	25	#0	16QAM	22.12	-2.16	17.81	PASS
Band5	10	20450	25	#Mid	16QAM	22.23	-2.16	17.92	PASS
Band5	10	20450	25	#Max	16QAM	22.32	-2.16	18.01	PASS
Band5	10	20450	50	#0	16QAM	22.20	-2.16	17.89	PASS
Band5	10	20525	1	#0	QPSK	24.19	-2.16	19.88	PASS
Band5	10	20525	1	#Mid	QPSK	24.32	-2.16	20.01	PASS
Band5	10	20525	1	#Max	QPSK	24.41	-2.16	20.10	PASS
Band5	10	20525	25	#0	QPSK	23.34	-2.16	19.03	PASS
Band5	10	20525	25	#Mid	QPSK	23.30	-2.16	18.99	PASS
Band5	10	20525	25	#Max	QPSK	23.43	-2.16	19.12	PASS
Band5	10	20525	50	#0	QPSK	23.30	-2.16	18.99	PASS
Band5	10	20525	1	#0	16QAM	24.40	-2.16	20.09	PASS
Band5	10	20525	1	#Mid	16QAM	24.59	-2.16	20.28	PASS
Band5	10	20525	1	#Max	16QAM	24.55	-2.16	20.24	PASS
Band5	10	20525	25	#0	16QAM	22.43	-2.16	18.12	PASS
Band5	10	20525	25	#Mid	16QAM	22.40	-2.16	18.09	PASS
Band5	10	20525	25	#Max	16QAM	22.40	-2.16	18.09	PASS
Band5	10	20525	50	#0	16QAM	22.37	-2.16	18.06	PASS
Band5	10	20600	1	#0	QPSK	24.44	-2.16	20.13	PASS
Band5	10	20600	1	#Mid	QPSK	24.49	-2.16	20.18	PASS
Band5	10	20600	1	#Max	QPSK	24.42	-2.16	20.11	PASS
Band5	10	20600	25	#0	QPSK	23.48	-2.16	19.17	PASS
Band5	10	20600	25	#Mid	QPSK	23.64	-2.16	19.33	PASS
Band5	10	20600	25	#Max	QPSK	23.52	-2.16	19.21	PASS
Band5	10	20600	50	#0	QPSK	23.48	-2.16	19.17	PASS
Band5	10	20600	1	#0	16QAM	24.21	-2.16	19.90	PASS
Band5	10	20600	1	#Mid	16QAM	24.21	-2.16	19.90	PASS
Band5	10	20600	1	#Max	16QAM	24.14	-2.16	19.83	PASS
Band5	10	20600	25	#0	16QAM	22.43	-2.16	18.12	PASS

Band5	10	20600	25	#Mid	16QAM	22.63	-2.16	18.32	PASS
Band5	10	20600	25	#Max	16QAM	22.47	-2.16	18.16	PASS
Band5	10	20600	50	#0	16QAM	22.53	-2.16	18.22	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	-6.34	-0.008	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-8.27	-0.010	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-7.93	-0.010	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-8.13	-0.010	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-7.67	-0.009	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-7.25	-0.009	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	-0.84	-0.001	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	-1.33	-0.002	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	-2.30	-0.003	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	-1.39	-0.002	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	-0.66	-0.001	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	-0.23	0.000	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	-7.18	-0.008	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	-8.44	-0.010	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	-8.35	-0.010	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	-7.97	-0.009	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	-6.92	-0.008	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-6.85	-0.008	PASS
Band5	3	20415	15	#0	QPSK	LV	NT	-3.02	-0.004	PASS
Band5	3	20415	15	#0	QPSK	NV	NT	-3.68	-0.004	PASS
Band5	3	20415	15	#0	QPSK	HV	NT	-4.42	-0.005	PASS
Band5	3	20415	15	#0	16QAM	LV	NT	-4.61	-0.006	PASS
Band5	3	20415	15	#0	16QAM	NV	NT	-5.59	-0.007	PASS
Band5	3	20415	15	#0	16QAM	HV	NT	-6.22	-0.008	PASS
Band5	3	20525	15	#0	QPSK	LV	NT	-5.81	-0.007	PASS
Band5	3	20525	15	#0	QPSK	NV	NT	-5.39	-0.006	PASS
Band5	3	20525	15	#0	QPSK	HV	NT	-5.69	-0.007	PASS
Band5	3	20525	15	#0	16QAM	LV	NT	-6.14	-0.007	PASS
Band5	3	20525	15	#0	16QAM	NV	NT	-6.84	-0.008	PASS
Band5	3	20525	15	#0	16QAM	HV	NT	-7.50	-0.009	PASS
Band5	3	20635	15	#0	QPSK	LV	NT	-5.25	-0.006	PASS
Band5	3	20635	15	#0	QPSK	NV	NT	-5.82	-0.007	PASS
Band5	3	20635	15	#0	QPSK	HV	NT	-5.65	-0.007	PASS
Band5	3	20635	15	#0	16QAM	LV	NT	-4.61	-0.005	PASS
Band5	3	20635	15	#0	16QAM	NV	NT	-4.12	-0.005	PASS
Band5	3	20635	15	#0	16QAM	HV	NT	-3.32	-0.004	PASS
Band5	5	20425	25	#0	QPSK	LV	NT	5.65	0.007	PASS
Band5	5	20425	25	#0	QPSK	NV	NT	6.19	0.007	PASS

Band5	5	20425	25	#0	QPSK	HV	NT	6.59	0.008	PASS
Band5	5	20425	25	#0	16QAM	LV	NT	4.86	0.006	PASS
Band5	5	20425	25	#0	16QAM	NV	NT	3.02	0.004	PASS
Band5	5	20425	25	#0	16QAM	HV	NT	1.63	0.002	PASS
Band5	5	20525	25	#0	QPSK	LV	NT	-3.72	-0.004	PASS
Band5	5	20525	25	#0	QPSK	NV	NT	-2.43	-0.003	PASS
Band5	5	20525	25	#0	QPSK	HV	NT	-1.60	-0.002	PASS
Band5	5	20525	25	#0	16QAM	LV	NT	-1.79	-0.002	PASS
Band5	5	20525	25	#0	16QAM	NV	NT	-0.64	-0.001	PASS
Band5	5	20525	25	#0	16QAM	HV	NT	-0.69	-0.001	PASS
Band5	5	20625	25	#0	QPSK	LV	NT	-2.69	-0.003	PASS
Band5	5	20625	25	#0	QPSK	NV	NT	-2.88	-0.003	PASS
Band5	5	20625	25	#0	QPSK	HV	NT	-5.05	-0.006	PASS
Band5	5	20625	25	#0	16QAM	LV	NT	-5.94	-0.007	PASS
Band5	5	20625	25	#0	16QAM	NV	NT	-5.92	-0.007	PASS
Band5	5	20625	25	#0	16QAM	HV	NT	-7.52	-0.009	PASS
Band5	10	20450	50	#0	QPSK	LV	NT	-2.23	-0.003	PASS
Band5	10	20450	50	#0	QPSK	NV	NT	-0.73	-0.001	PASS
Band5	10	20450	50	#0	QPSK	HV	NT	-0.16	0.000	PASS
Band5	10	20450	50	#0	16QAM	LV	NT	-0.43	-0.001	PASS
Band5	10	20450	50	#0	16QAM	NV	NT	-1.80	-0.002	PASS
Band5	10	20450	50	#0	16QAM	HV	NT	-3.88	-0.005	PASS
Band5	10	20525	50	#0	QPSK	LV	NT	-6.05	-0.007	PASS
Band5	10	20525	50	#0	QPSK	NV	NT	-7.57	-0.009	PASS
Band5	10	20525	50	#0	QPSK	HV	NT	-8.33	-0.010	PASS
Band5	10	20525	50	#0	16QAM	LV	NT	-7.55	-0.009	PASS
Band5	10	20525	50	#0	16QAM	NV	NT	-5.97	-0.007	PASS
Band5	10	20525	50	#0	16QAM	HV	NT	-4.41	-0.005	PASS
Band5	10	20600	50	#0	QPSK	LV	NT	-4.33	-0.005	PASS
Band5	10	20600	50	#0	QPSK	NV	NT	-5.52	-0.007	PASS
Band5	10	20600	50	#0	QPSK	HV	NT	-4.88	-0.006	PASS
Band5	10	20600	50	#0	16QAM	LV	NT	-3.28	-0.004	PASS
Band5	10	20600	50	#0	16QAM	NV	NT	-3.35	-0.004	PASS
Band5	10	20600	50	#0	16QAM	HV	NT	-1.97	-0.002	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	-6.57	-0.008	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-20	-7.75	-0.009	PASS
Band5	1.4	20407	6	#0	QPSK	NV	-10	-8.91	-0.011	PASS
Band5	1.4	20407	6	#0	QPSK	NV	0	-10.24	-0.012	PASS
Band5	1.4	20407	6	#0	QPSK	NV	10	-11.27	-0.014	PASS
Band5	1.4	20407	6	#0	QPSK	NV	20	-13.10	-0.016	PASS

Band5	1.4	20407	6	#0	QPSK	NV	30	-15.65	-0.019	PASS
Band5	1.4	20407	6	#0	QPSK	NV	40	-16.18	-0.020	PASS
Band5	1.4	20407	6	#0	QPSK	NV	50	-16.95	-0.021	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-30	-18.54	-0.022	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-20	-18.30	-0.022	PASS
Band5	1.4	20407	6	#0	16QAM	NV	-10	-19.83	-0.024	PASS
Band5	1.4	20407	6	#0	16QAM	NV	0	-20.83	-0.025	PASS
Band5	1.4	20407	6	#0	16QAM	NV	10	-21.44	-0.026	PASS
Band5	1.4	20407	6	#0	16QAM	NV	20	-21.67	-0.026	PASS
Band5	1.4	20407	6	#0	16QAM	NV	30	-22.50	-0.027	PASS
Band5	1.4	20407	6	#0	16QAM	NV	40	-23.25	-0.028	PASS
Band5	1.4	20407	6	#0	16QAM	NV	50	-23.86	-0.029	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-30	-14.22	-0.017	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-20	-15.45	-0.018	PASS
Band5	1.4	20525	6	#0	QPSK	NV	-10	-16.38	-0.020	PASS
Band5	1.4	20525	6	#0	QPSK	NV	0	-17.55	-0.021	PASS
Band5	1.4	20525	6	#0	QPSK	NV	10	-19.86	-0.024	PASS
Band5	1.4	20525	6	#0	QPSK	NV	20	-20.54	-0.025	PASS
Band5	1.4	20525	6	#0	QPSK	NV	30	-21.89	-0.026	PASS
Band5	1.4	20525	6	#0	QPSK	NV	40	-23.82	-0.028	PASS
Band5	1.4	20525	6	#0	QPSK	NV	50	-25.52	-0.031	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-30	-26.04	-0.031	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-20	-27.42	-0.033	PASS
Band5	1.4	20525	6	#0	16QAM	NV	-10	-28.85	-0.034	PASS
Band5	1.4	20525	6	#0	16QAM	NV	0	-29.41	-0.035	PASS
Band5	1.4	20525	6	#0	16QAM	NV	10	-30.81	-0.037	PASS
Band5	1.4	20525	6	#0	16QAM	NV	20	-31.10	-0.037	PASS
Band5	1.4	20525	6	#0	16QAM	NV	30	-32.26	-0.039	PASS
Band5	1.4	20525	6	#0	16QAM	NV	40	-33.27	-0.040	PASS
Band5	1.4	20525	6	#0	16QAM	NV	50	-34.10	-0.041	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-30	-10.23	-0.012	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-20	-13.92	-0.016	PASS
Band5	1.4	20643	6	#0	QPSK	NV	-10	-16.15	-0.019	PASS
Band5	1.4	20643	6	#0	QPSK	NV	0	-19.05	-0.022	PASS
Band5	1.4	20643	6	#0	QPSK	NV	10	-21.46	-0.025	PASS
Band5	1.4	20643	6	#0	QPSK	NV	20	-23.93	-0.028	PASS
Band5	1.4	20643	6	#0	QPSK	NV	30	-26.72	-0.031	PASS
Band5	1.4	20643	6	#0	QPSK	NV	40	-29.45	-0.035	PASS
Band5	1.4	20643	6	#0	QPSK	NV	50	-31.29	-0.037	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-30	-33.37	-0.039	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-20	-36.41	-0.043	PASS
Band5	1.4	20643	6	#0	16QAM	NV	-10	-37.95	-0.045	PASS
Band5	1.4	20643	6	#0	16QAM	NV	0	-40.73	-0.048	PASS

Band5	1.4	20643	6	#0	16QAM	NV	10	-42.27	-0.050	PASS
Band5	1.4	20643	6	#0	16QAM	NV	20	-44.45	-0.052	PASS
Band5	1.4	20643	6	#0	16QAM	NV	30	-11.26	-0.013	PASS
Band5	1.4	20643	6	#0	16QAM	NV	40	2.22	0.003	PASS
Band5	1.4	20643	6	#0	16QAM	NV	50	0.39	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	3	20415	15	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	3	20415	15	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	3	20525	15	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	3	20525	15	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	-20	0.00	0.000	PASS

Band5	3	20635	15	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	3	20635	15	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	3	20635	15	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	5	20425	25	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	5	20425	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	5	20525	25	#0	QPSK	NV	50	0.00	0.000	PASS

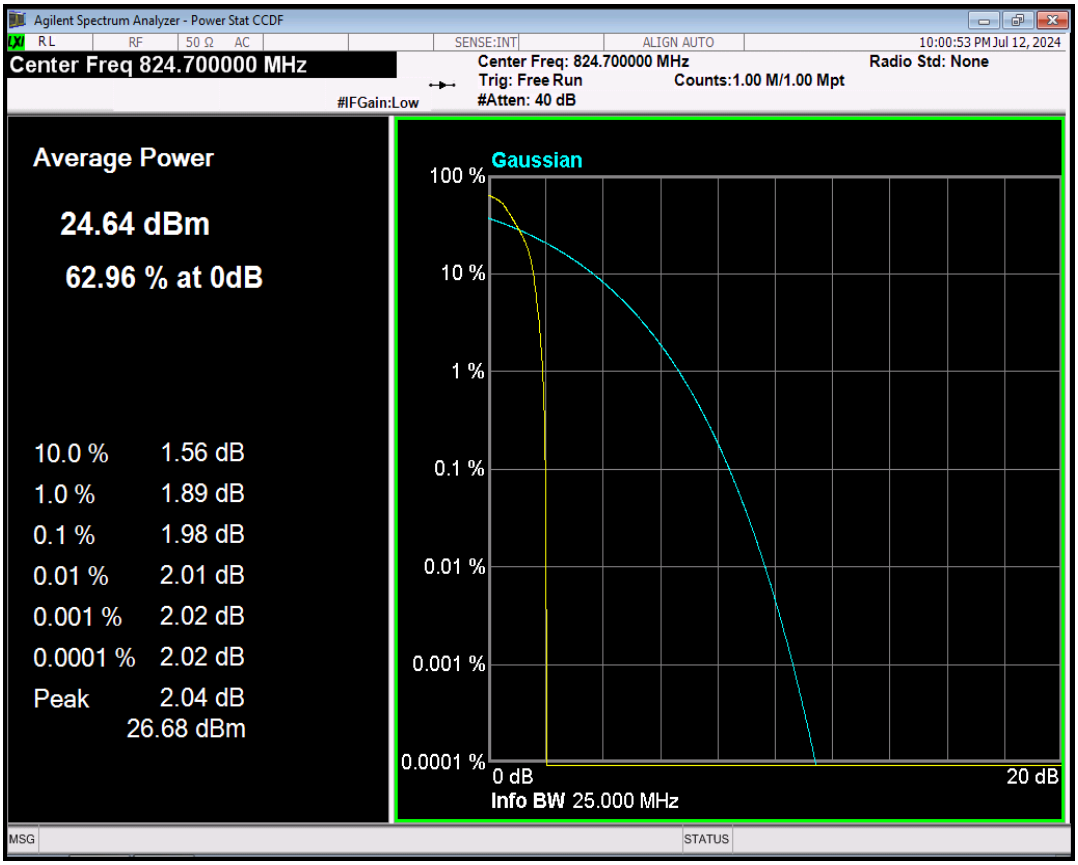
Band5	5	20525	25	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	5	20525	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	5	20625	25	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	5	20625	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	10	20450	50	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	30	0.00	0.000	PASS

Band5	10	20450	50	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	10	20450	50	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	10	20525	50	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	10	20525	50	#0	16QAM	NV	50	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	-30	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	-20	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	-10	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	0	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	10	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	20	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	30	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band5	10	20600	50	#0	QPSK	NV	50	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	-30	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	-20	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	-10	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	0	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	10	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	20	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	30	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	40	0.00	0.000	PASS
Band5	10	20600	50	#0	16QAM	NV	50	0.00	0.000	PASS

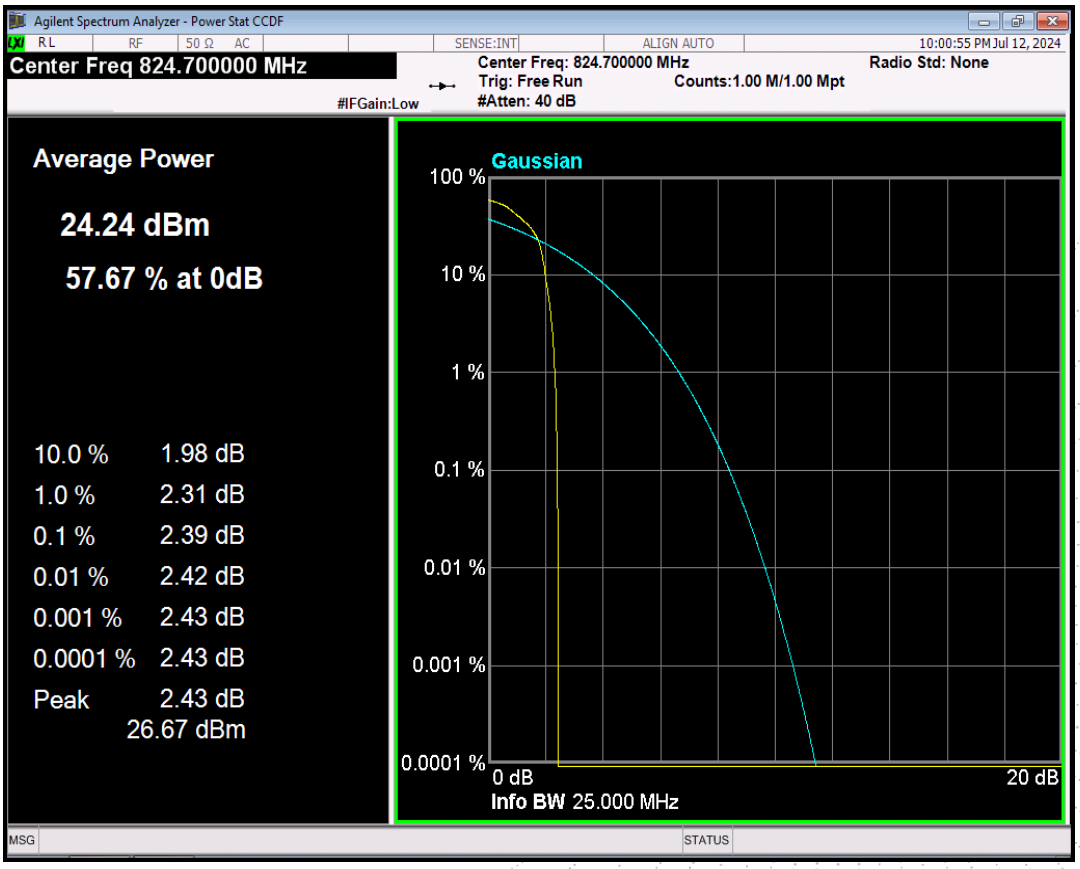
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	1.98	13	PASS
Band5	1.4	20407	1	#0	16QAM	2.39	13	PASS
Band5	1.4	20525	1	#0	QPSK	4.97	13	PASS
Band5	1.4	20525	1	#0	16QAM	5.73	13	PASS
Band5	1.4	20643	1	#0	QPSK	5.02	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.75	13	PASS
Band5	3	20415	1	#0	QPSK	2.03	13	PASS
Band5	3	20415	1	#0	16QAM	2.51	13	PASS
Band5	3	20525	1	#0	QPSK	4.94	13	PASS
Band5	3	20525	1	#0	16QAM	5.25	13	PASS
Band5	3	20635	1	#0	QPSK	4.38	13	PASS
Band5	3	20635	1	#0	16QAM	4.98	13	PASS
Band5	5	20425	1	#0	QPSK	2.03	13	PASS
Band5	5	20425	1	#0	16QAM	2.72	13	PASS
Band5	5	20525	1	#0	QPSK	4.76	13	PASS
Band5	5	20525	1	#0	16QAM	5.19	13	PASS
Band5	5	20625	1	#0	QPSK	3.35	13	PASS
Band5	5	20625	1	#0	16QAM	3.95	13	PASS
Band5	10	20450	1	#0	QPSK	2.07	13	PASS
Band5	10	20450	1	#0	16QAM	2.52	13	PASS
Band5	10	20525	1	#0	QPSK	4.88	13	PASS
Band5	10	20525	1	#0	16QAM	5.70	13	PASS
Band5	10	20600	1	#0	QPSK	5.35	13	PASS
Band5	10	20600	1	#0	16QAM	5.91	13	PASS

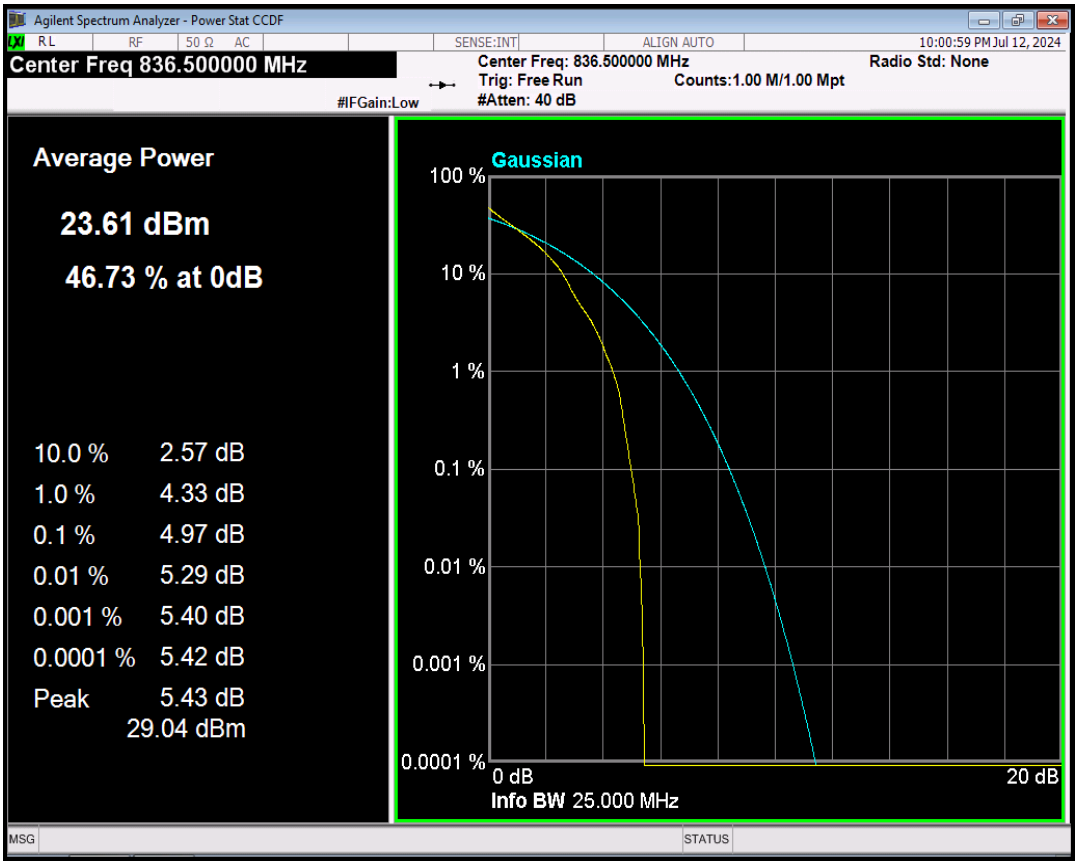
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



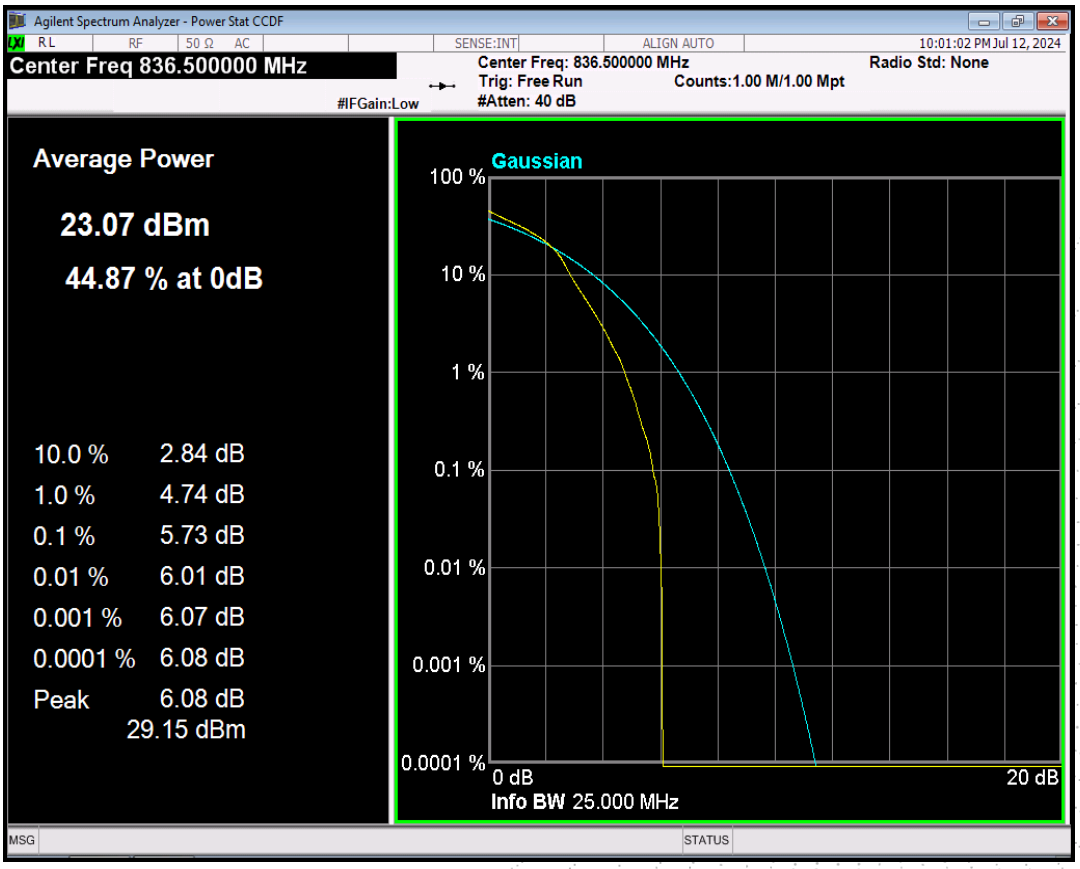
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



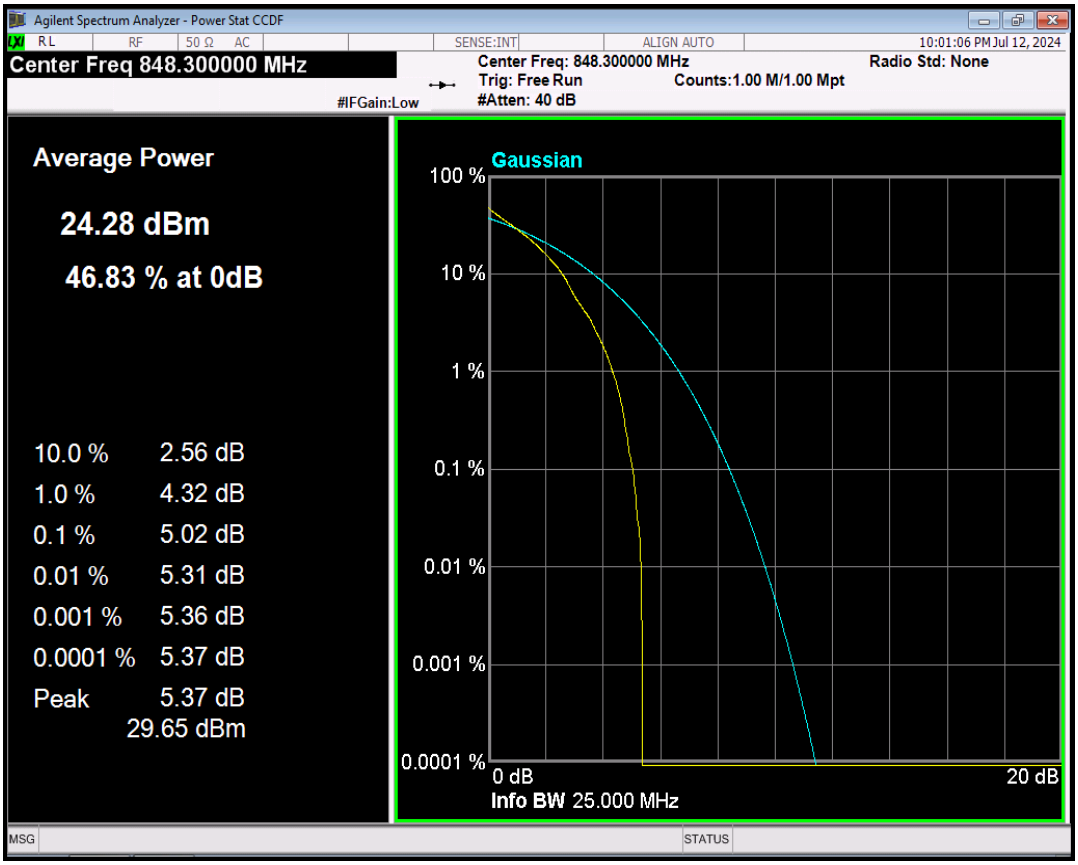
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



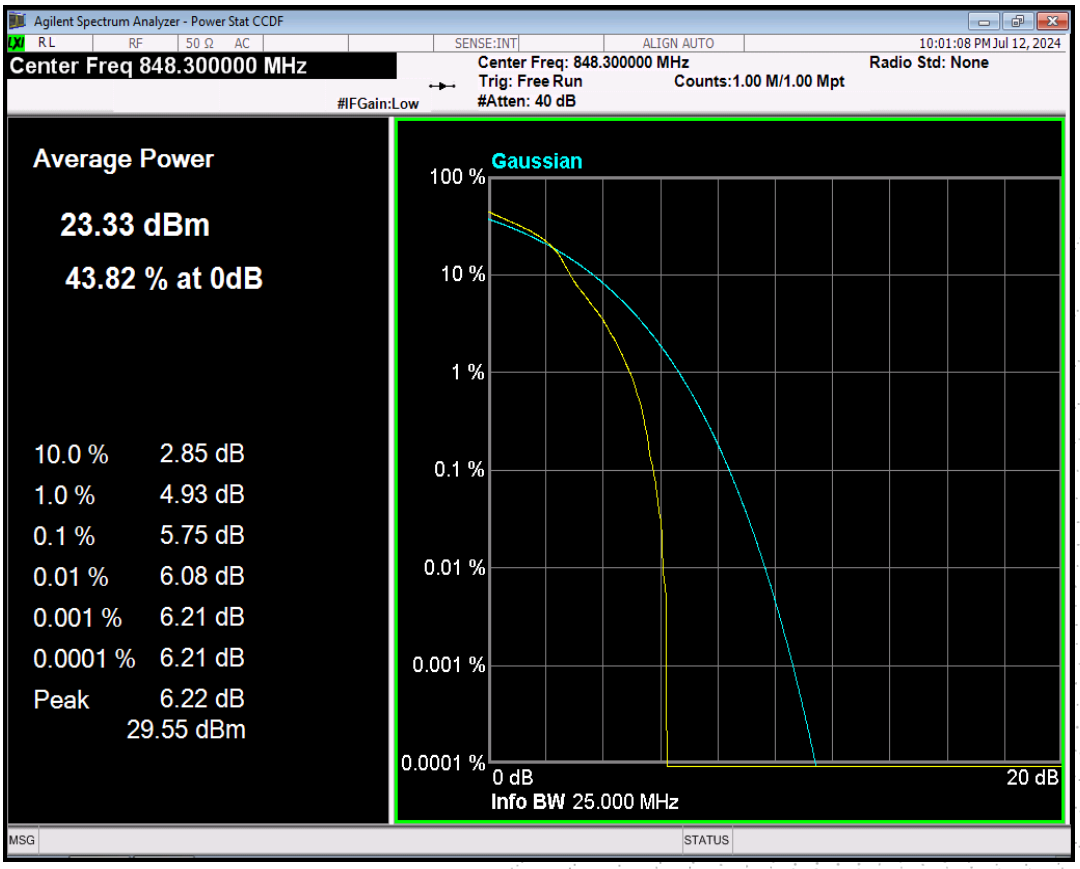
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



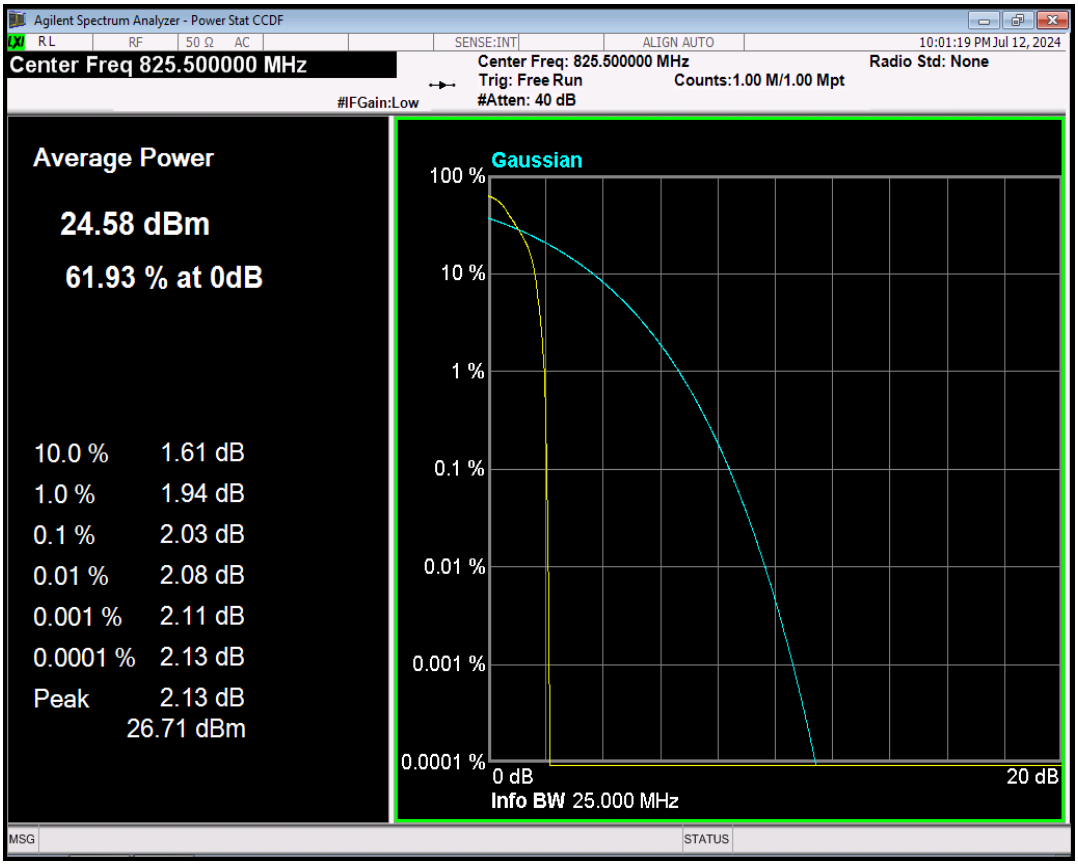
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



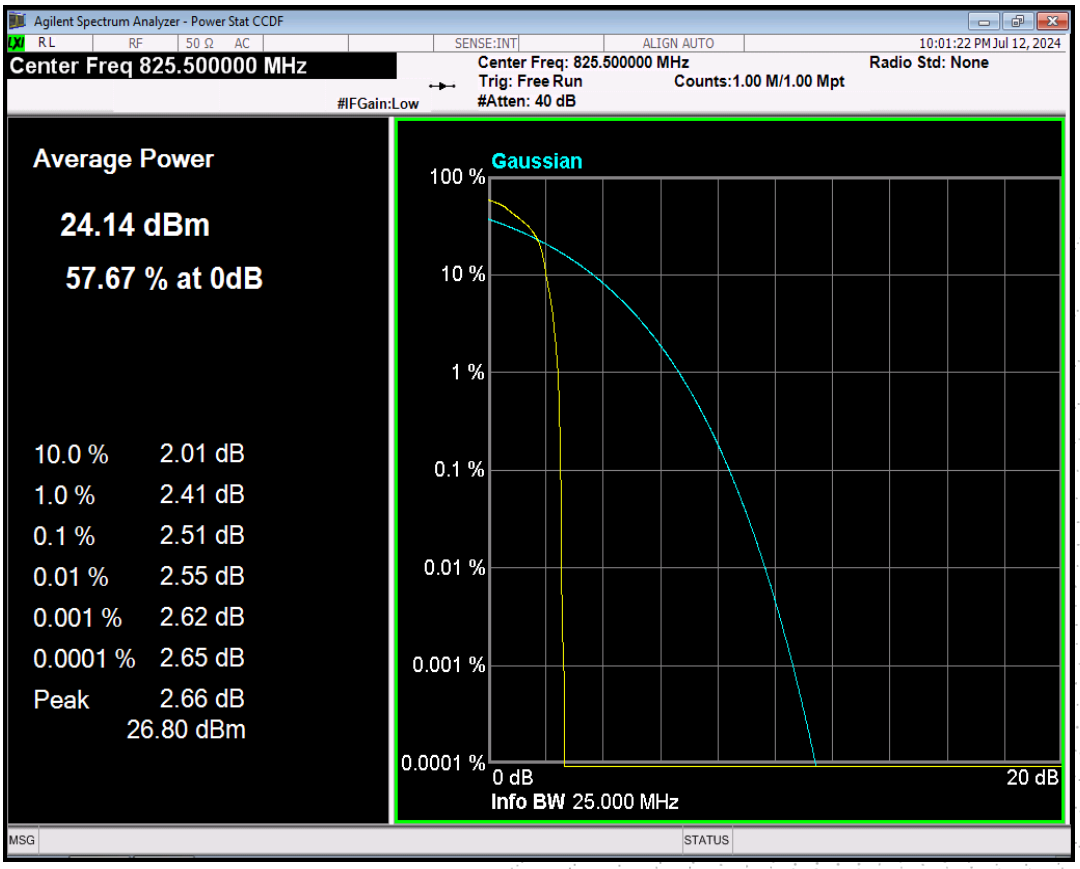
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0



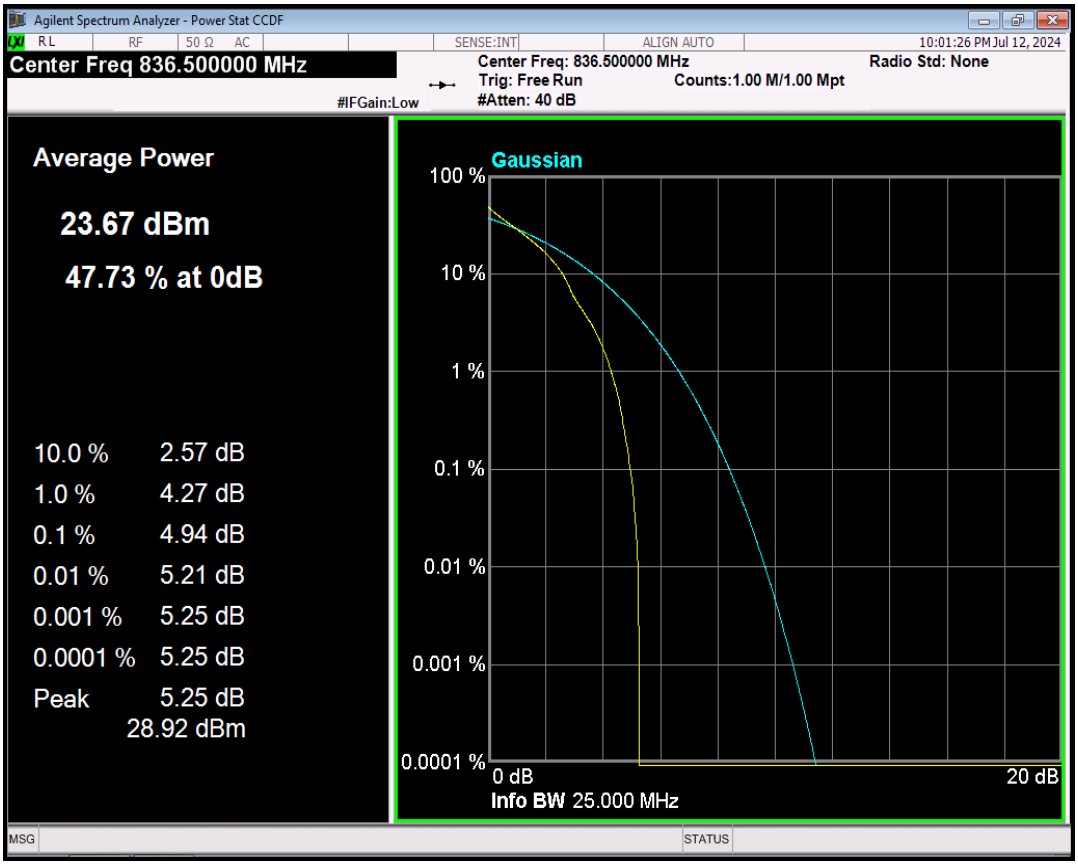
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



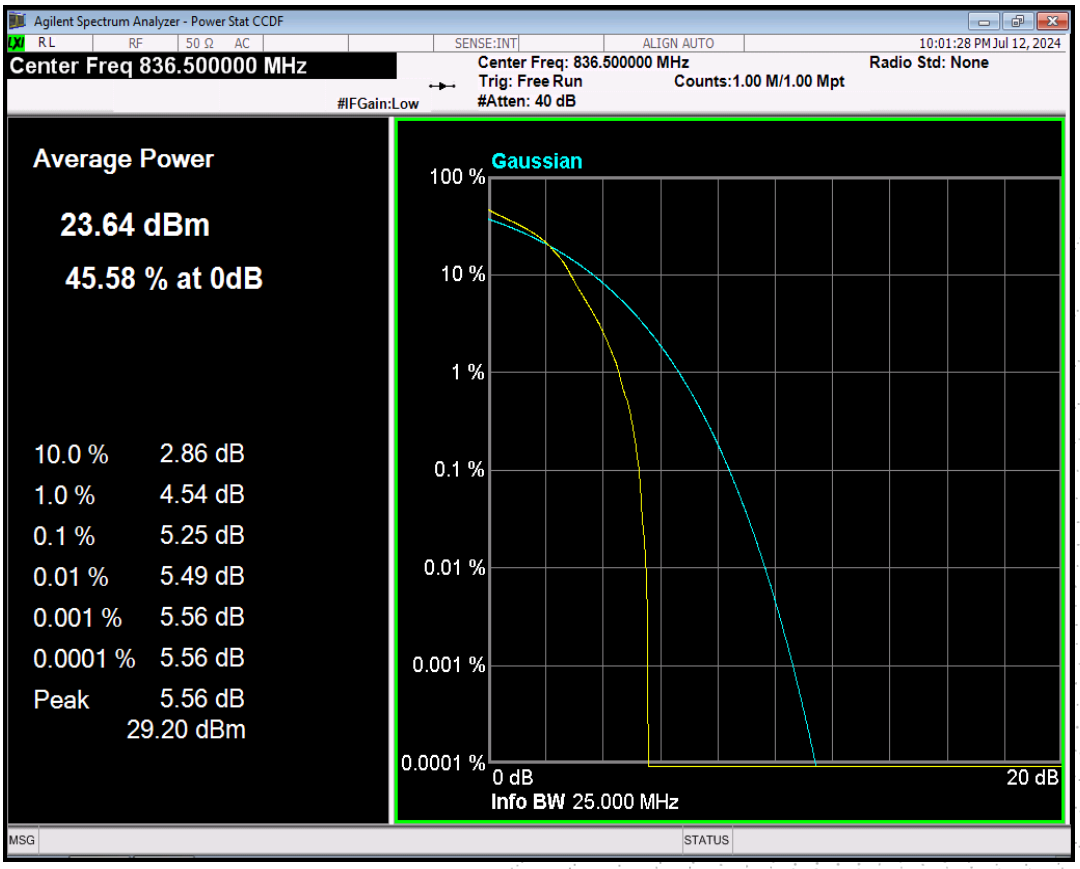
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0



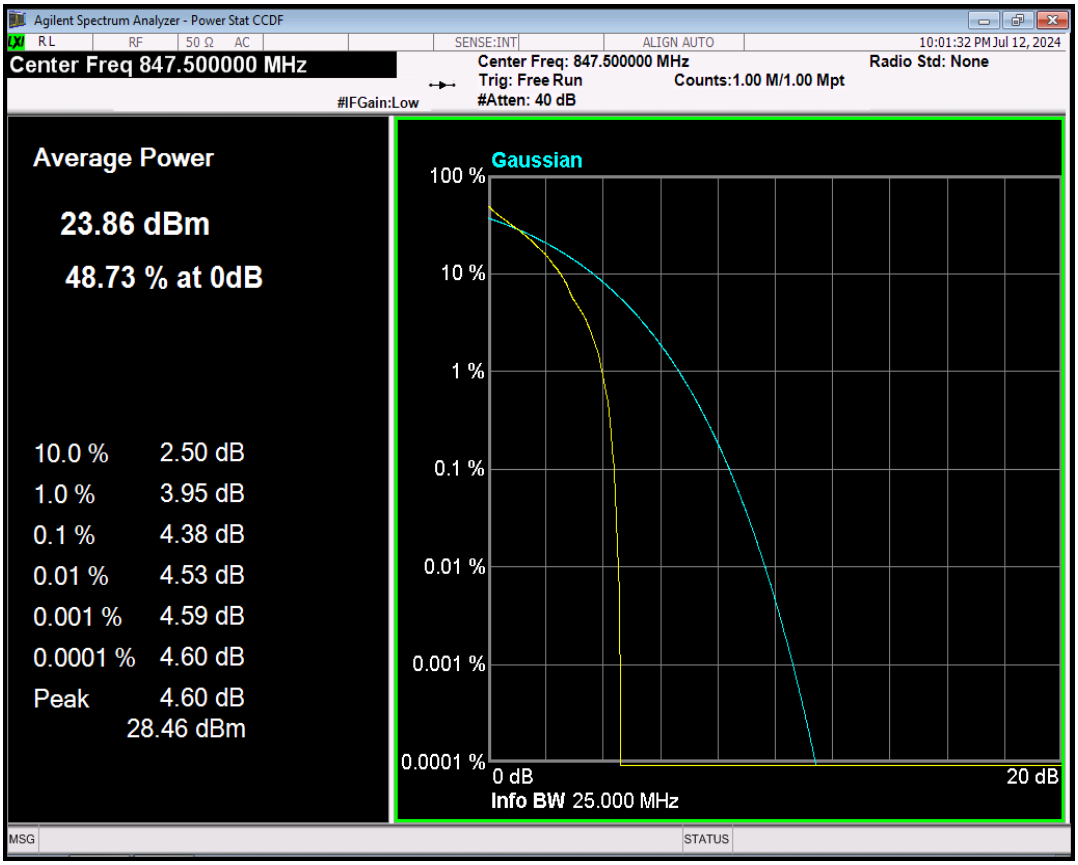
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



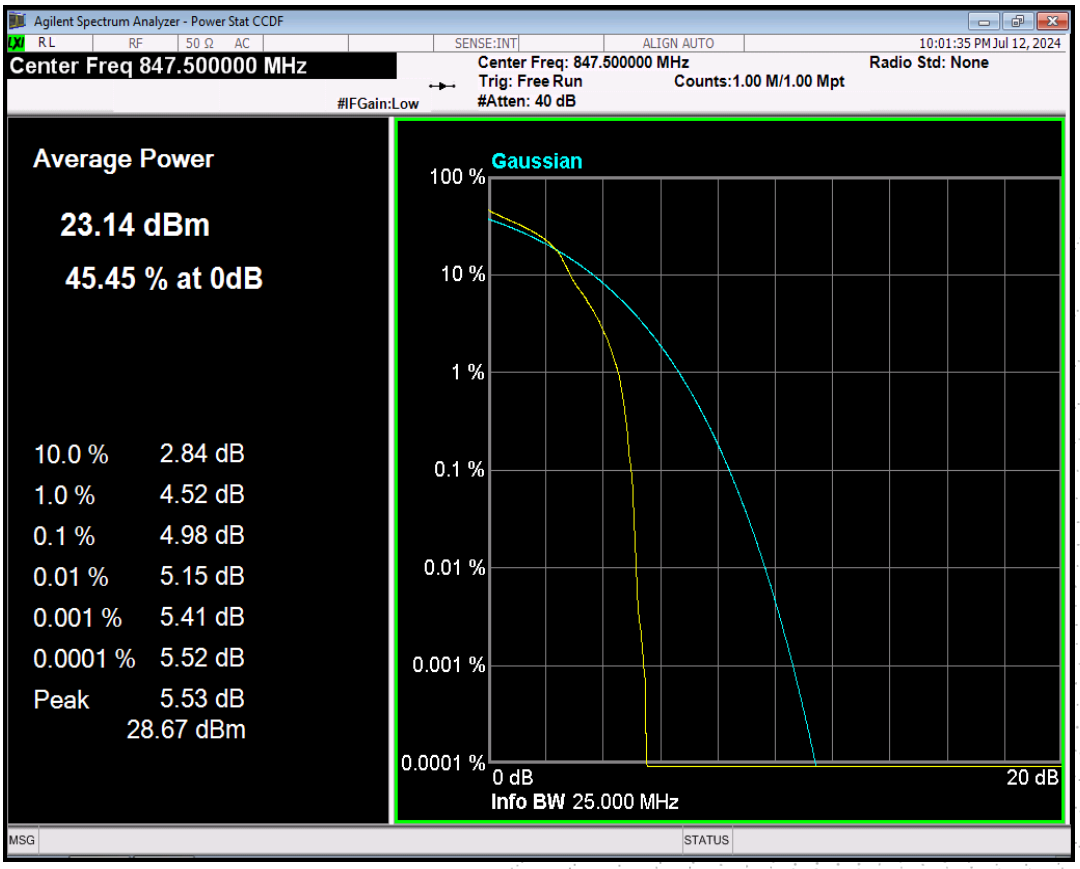
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0



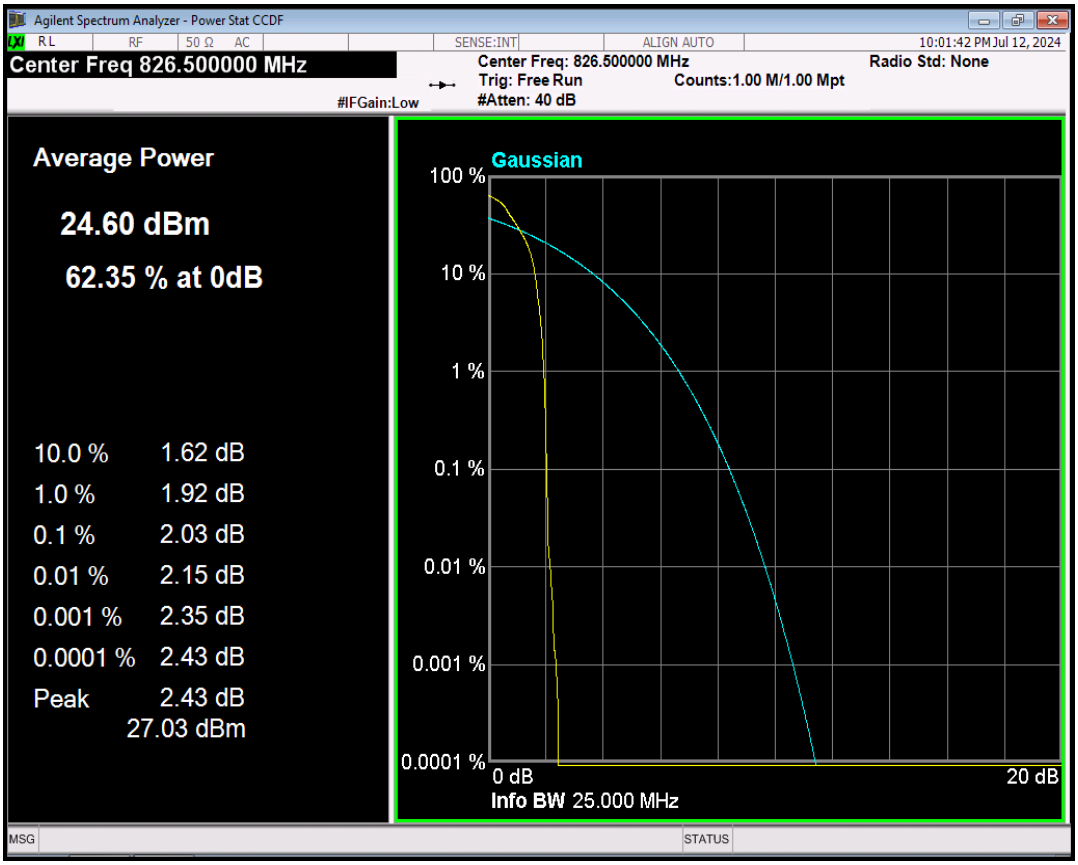
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



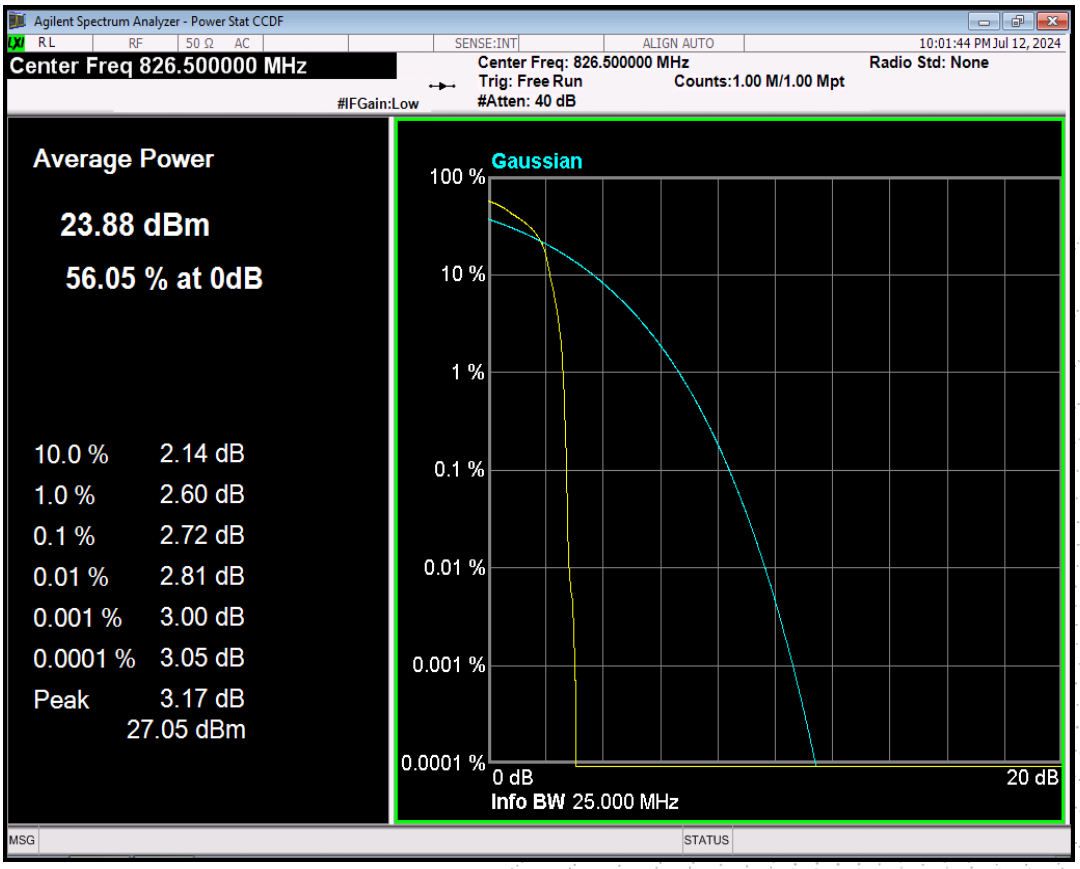
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0



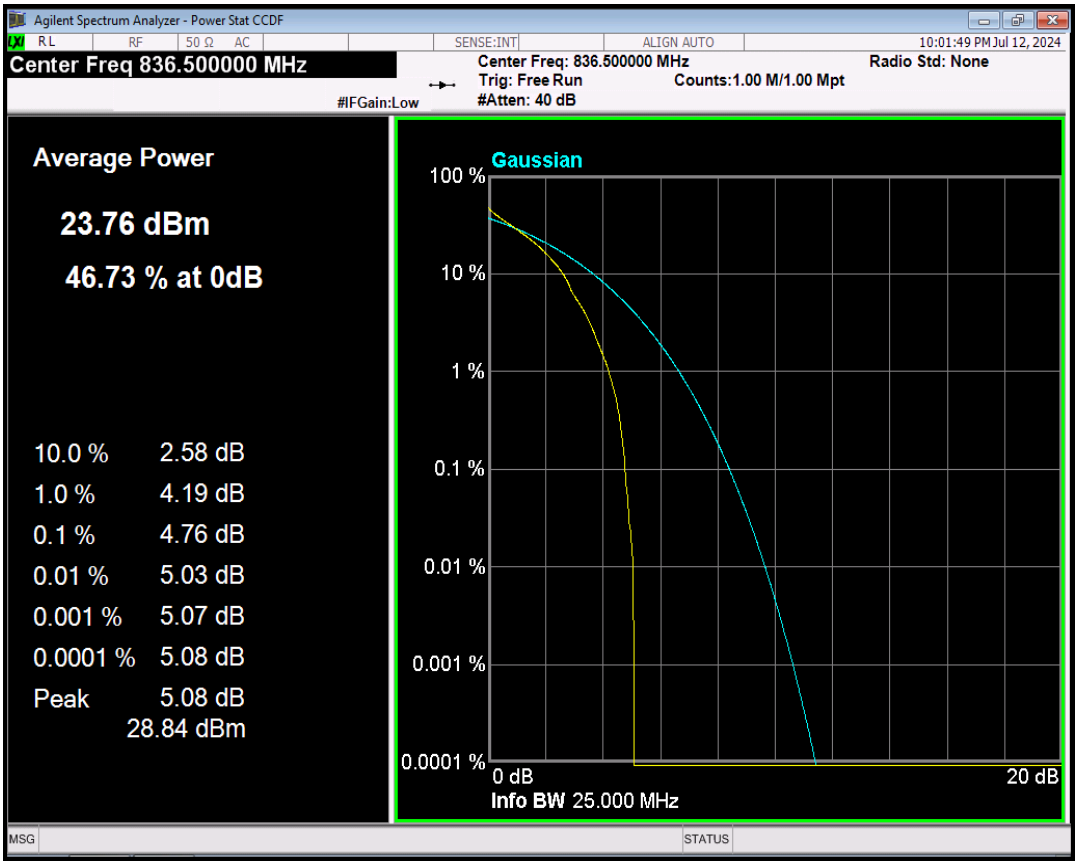
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



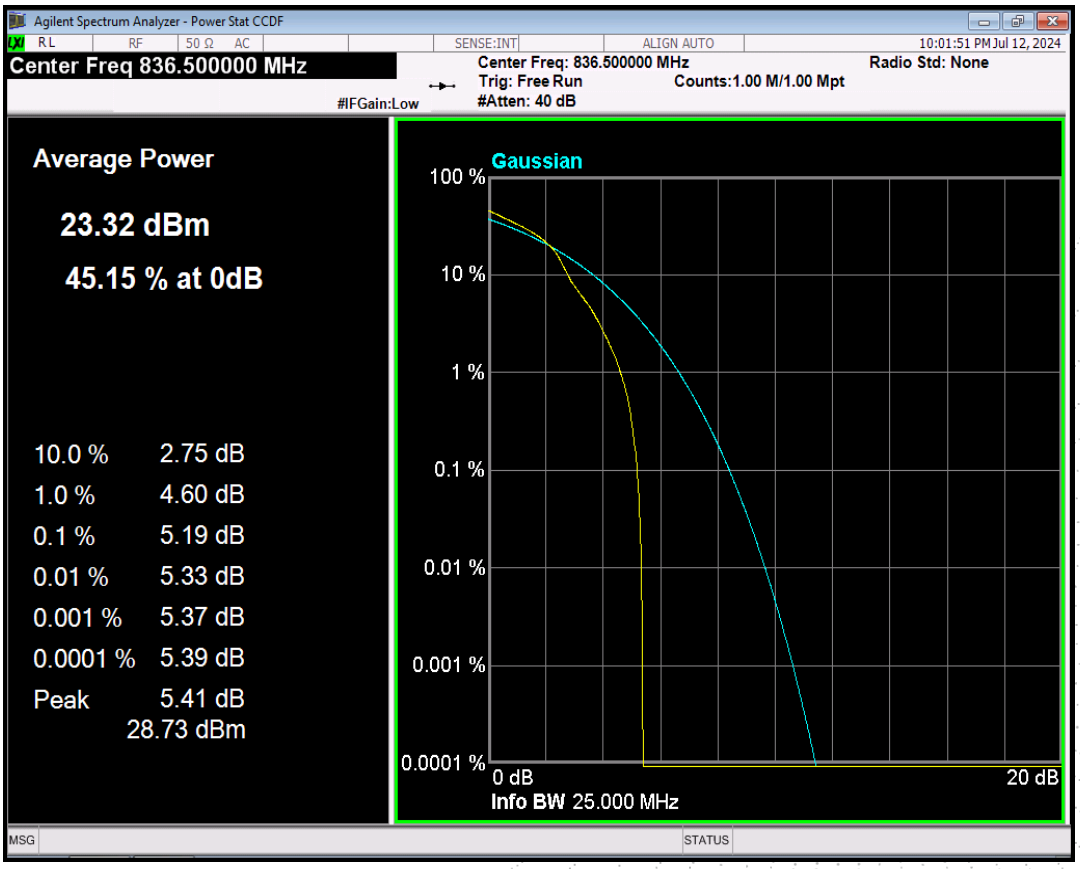
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0



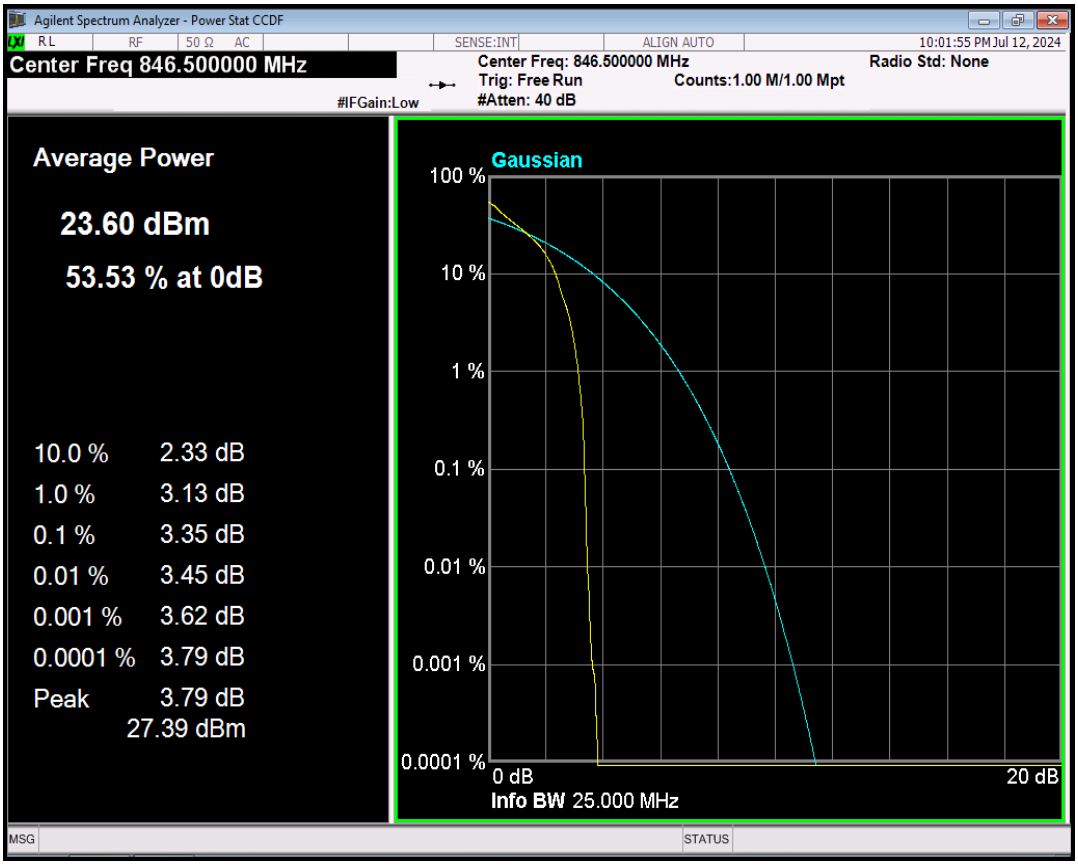
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



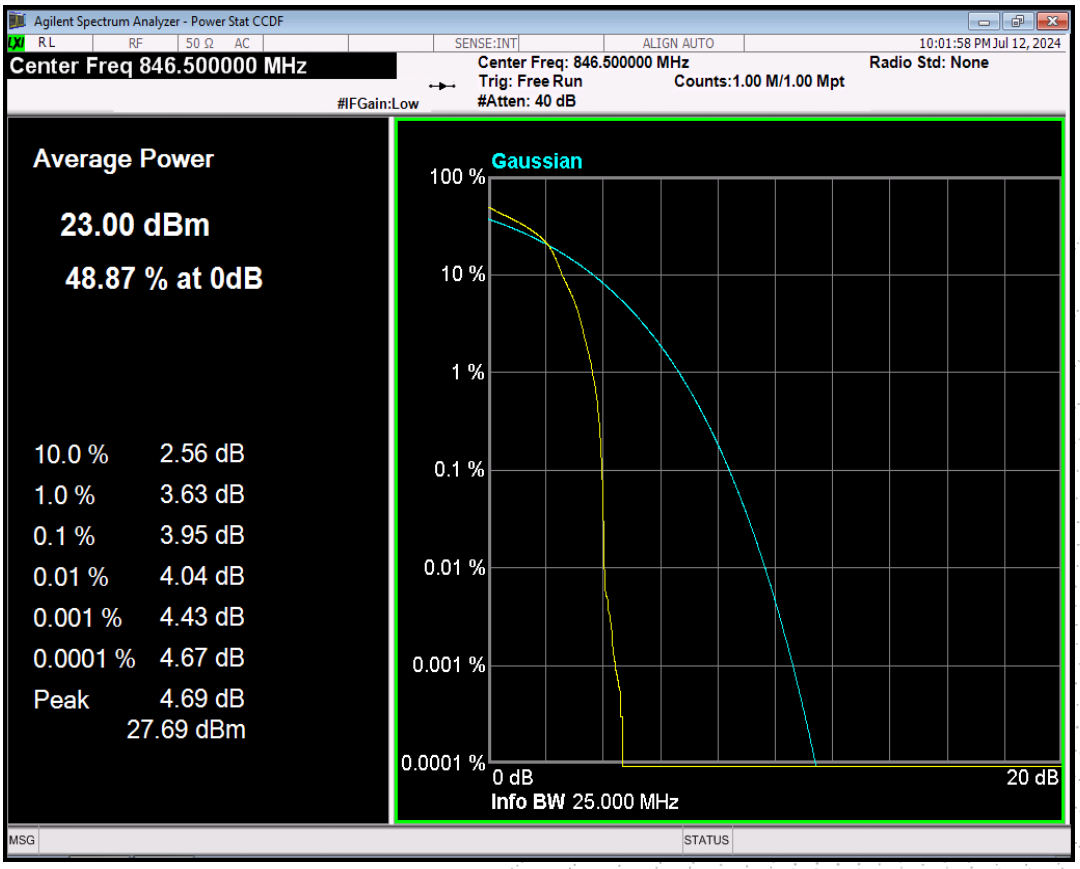
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0



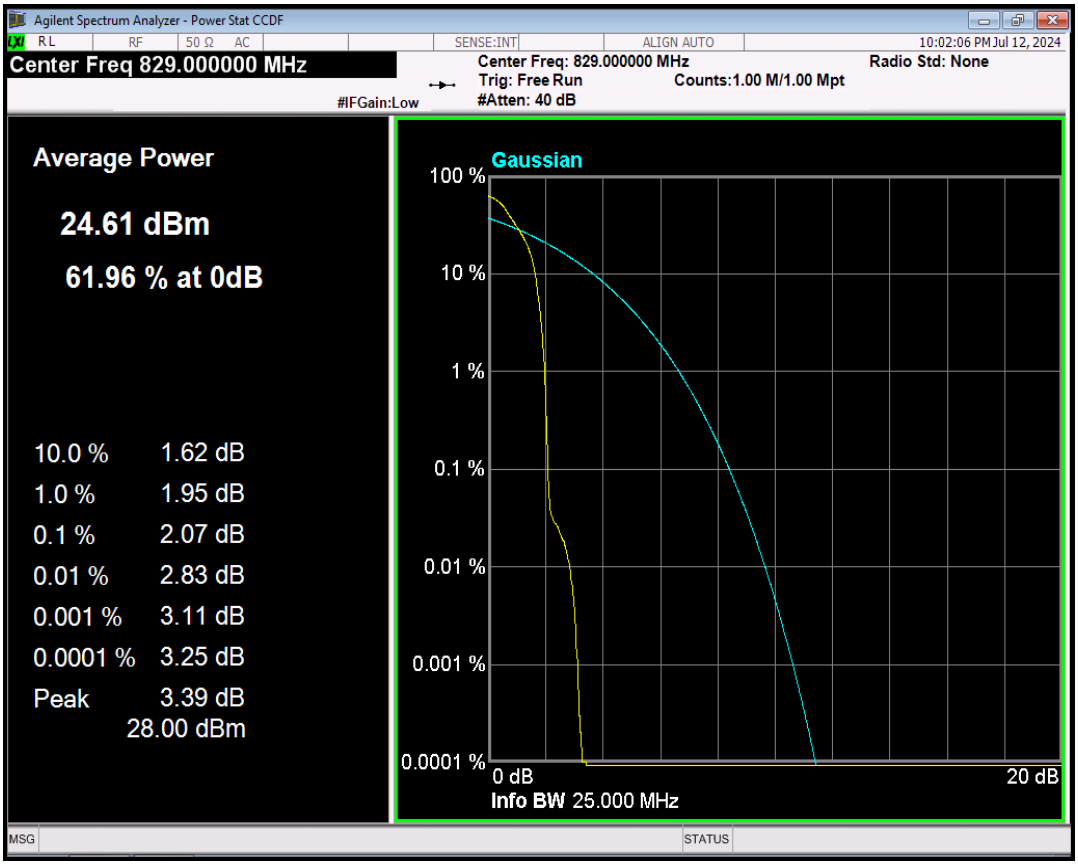
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



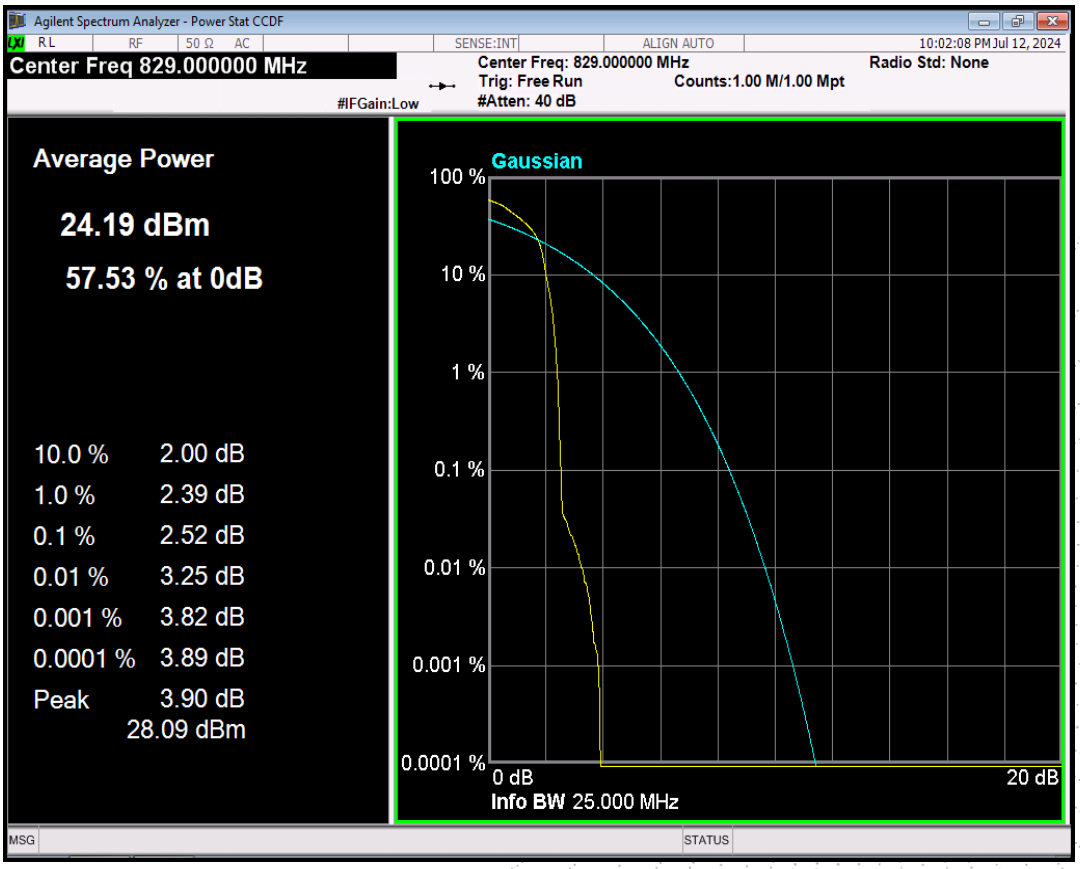
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0



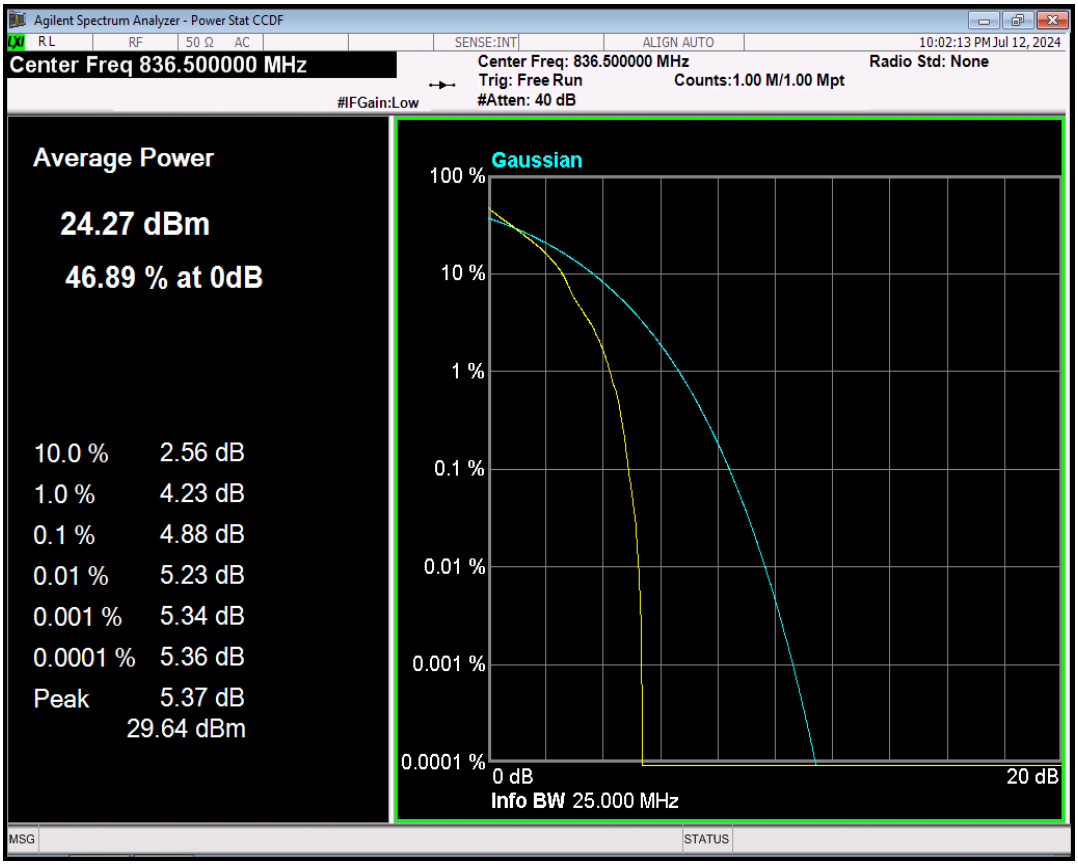
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



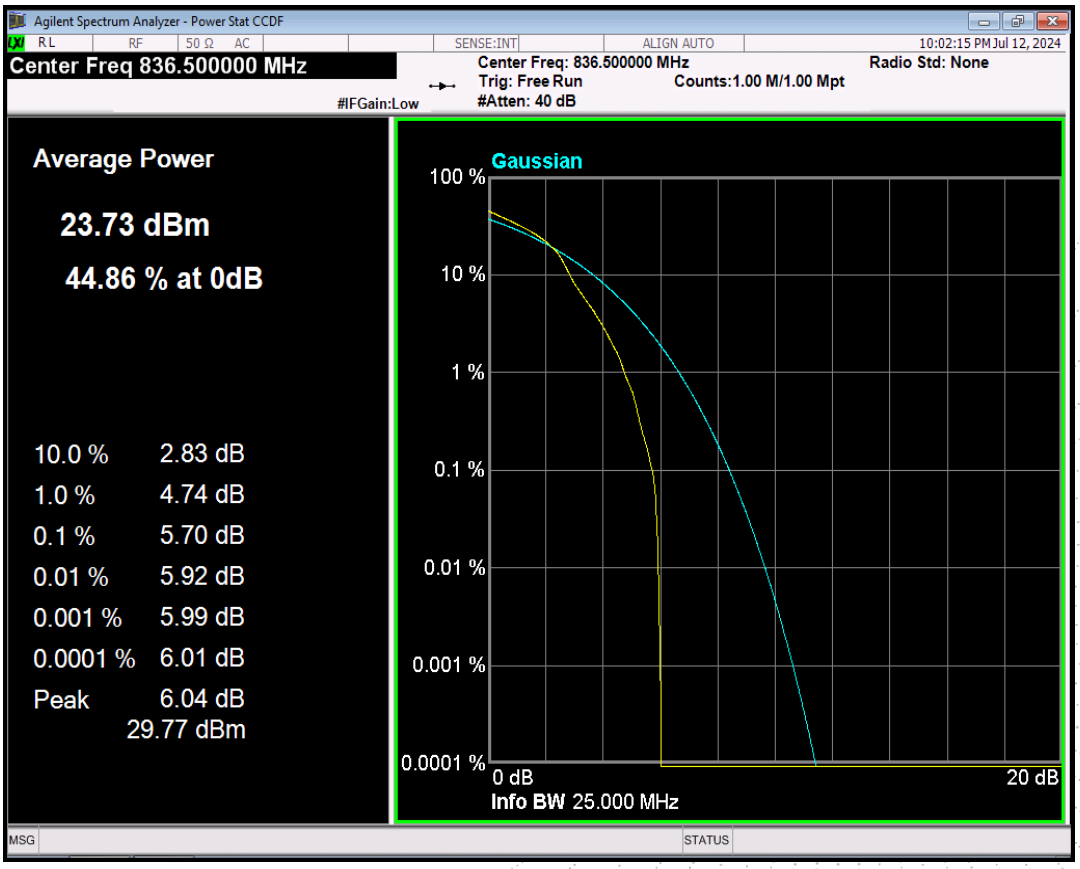
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0



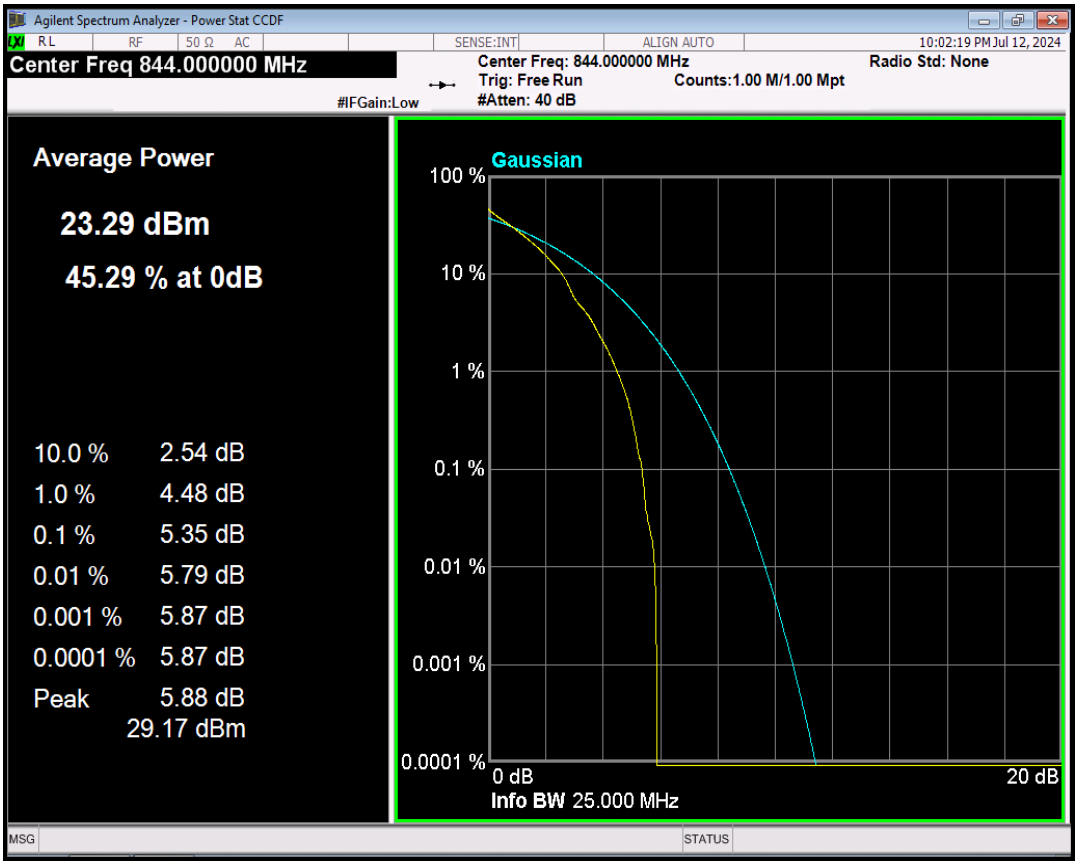
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



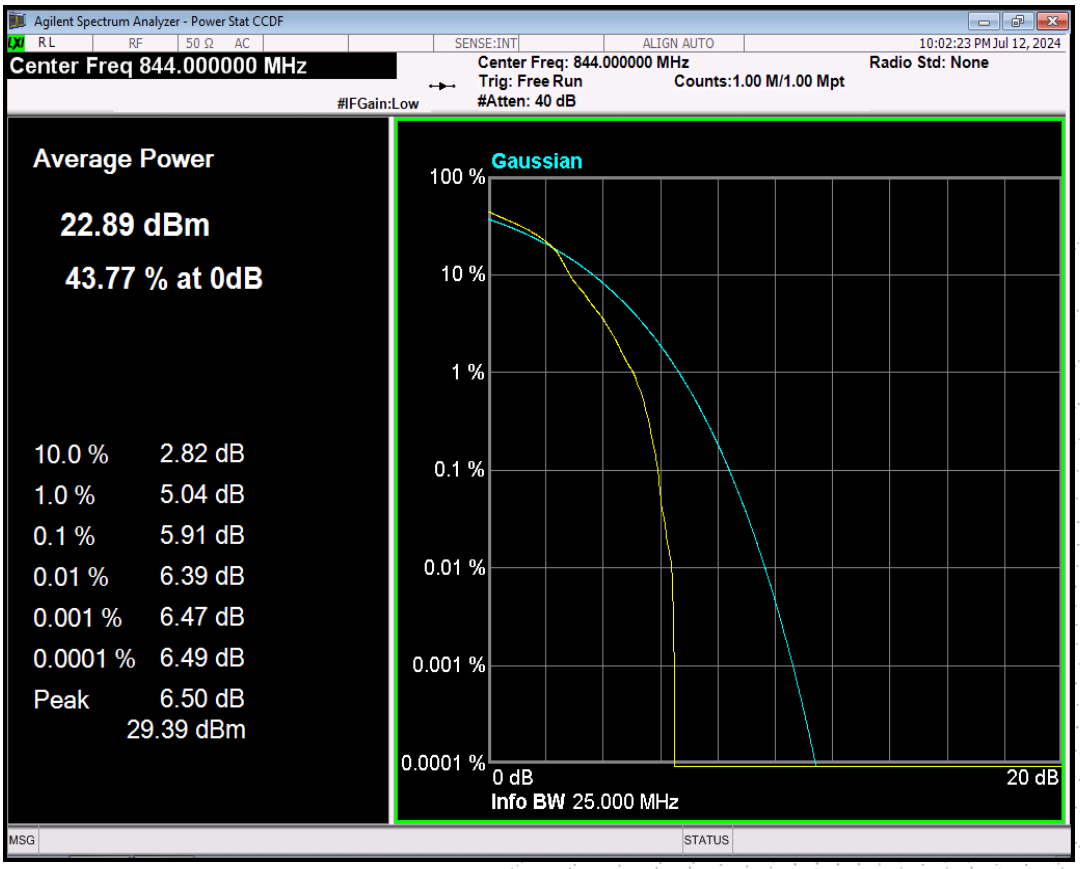
Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



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



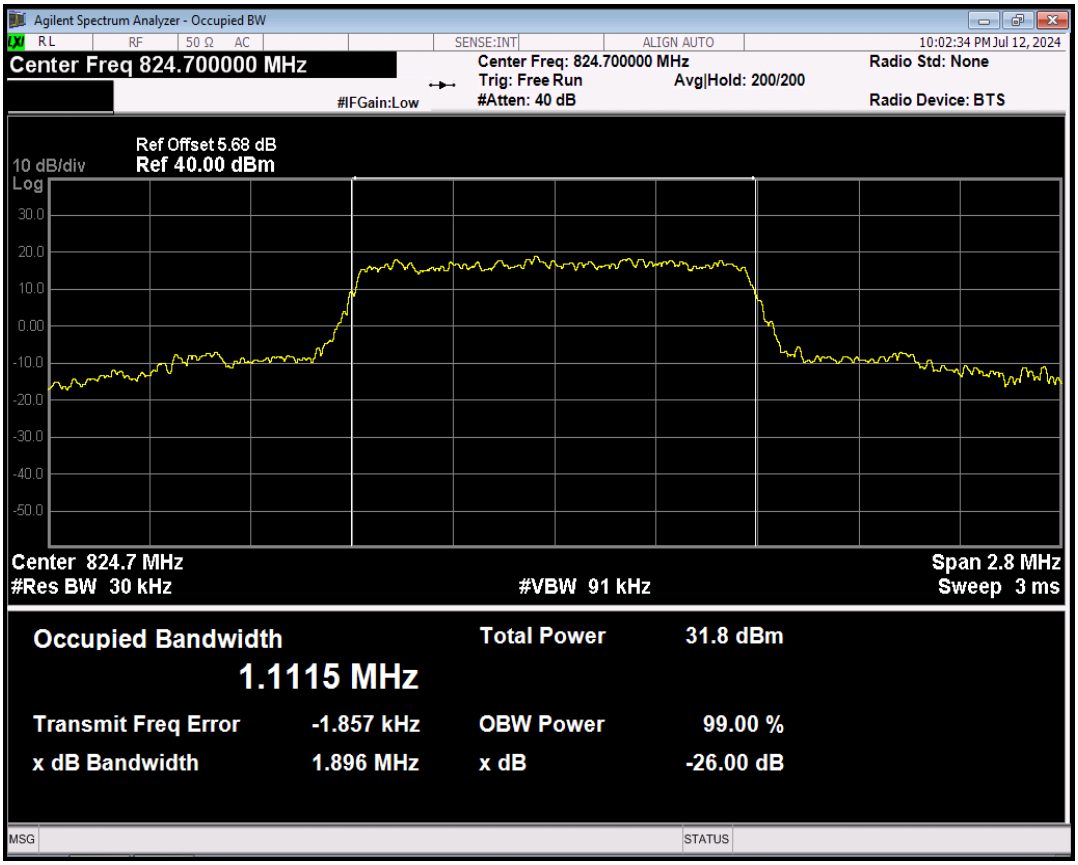
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0



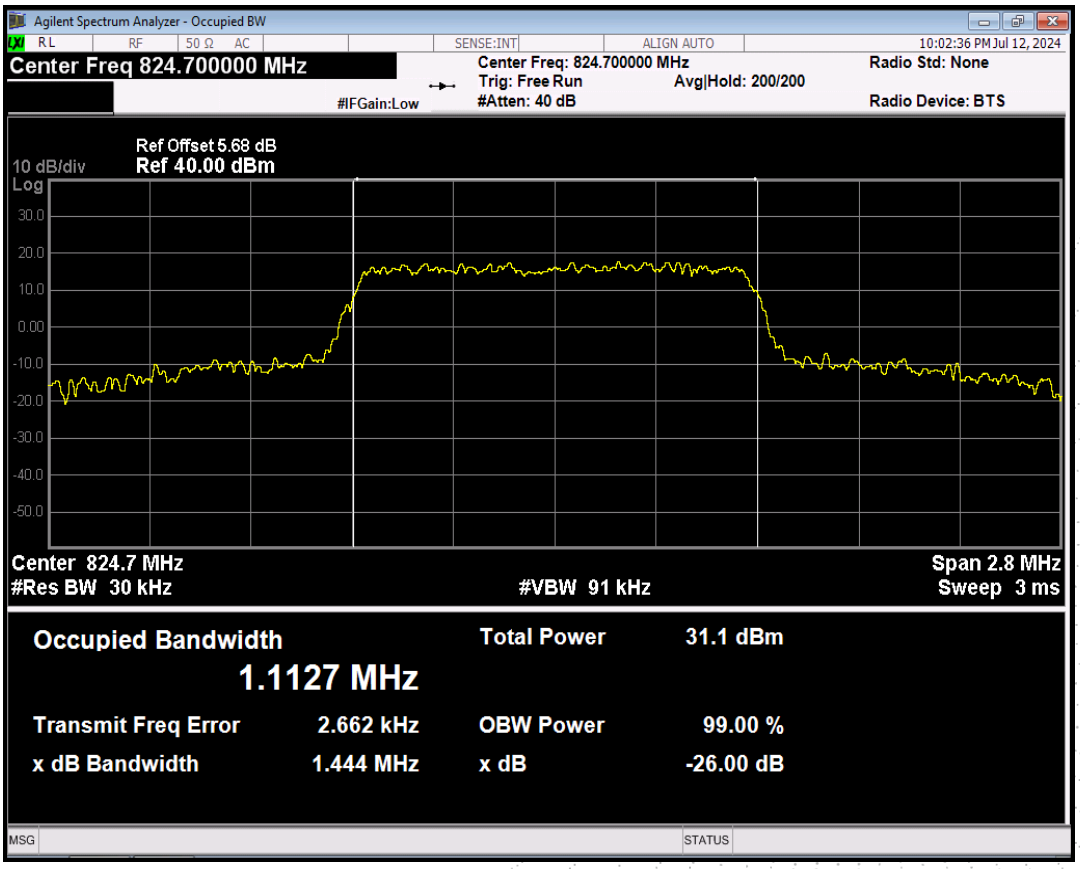
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.111	1.896	PASS
Band5	1.4	20407	6	#0	16QAM	1.113	1.444	PASS
Band5	1.4	20525	6	#0	QPSK	1.095	1.253	PASS
Band5	1.4	20525	6	#0	16QAM	1.095	1.236	PASS
Band5	1.4	20643	6	#0	QPSK	1.099	1.242	PASS
Band5	1.4	20643	6	#0	16QAM	1.098	1.250	PASS
Band5	3	20415	15	#0	QPSK	2.718	3.343	PASS
Band5	3	20415	15	#0	16QAM	2.713	3.163	PASS
Band5	3	20525	15	#0	QPSK	2.705	3.019	PASS
Band5	3	20525	15	#0	16QAM	2.700	3.053	PASS
Band5	3	20635	15	#0	QPSK	2.712	3.050	PASS
Band5	3	20635	15	#0	16QAM	2.702	3.055	PASS
Band5	5	20425	25	#0	QPSK	4.541	4.975	PASS
Band5	5	20425	25	#0	16QAM	4.527	5.011	PASS
Band5	5	20525	25	#0	QPSK	4.512	4.961	PASS
Band5	5	20525	25	#0	16QAM	4.503	4.948	PASS
Band5	5	20625	25	#0	QPSK	4.502	4.958	PASS
Band5	5	20625	25	#0	16QAM	4.499	4.971	PASS
Band5	10	20450	50	#0	QPSK	8.998	9.861	PASS
Band5	10	20450	50	#0	16QAM	8.986	9.772	PASS
Band5	10	20525	50	#0	QPSK	8.968	9.765	PASS
Band5	10	20525	50	#0	16QAM	8.981	9.785	PASS
Band5	10	20600	50	#0	QPSK	8.979	9.788	PASS
Band5	10	20600	50	#0	16QAM	8.999	9.780	PASS

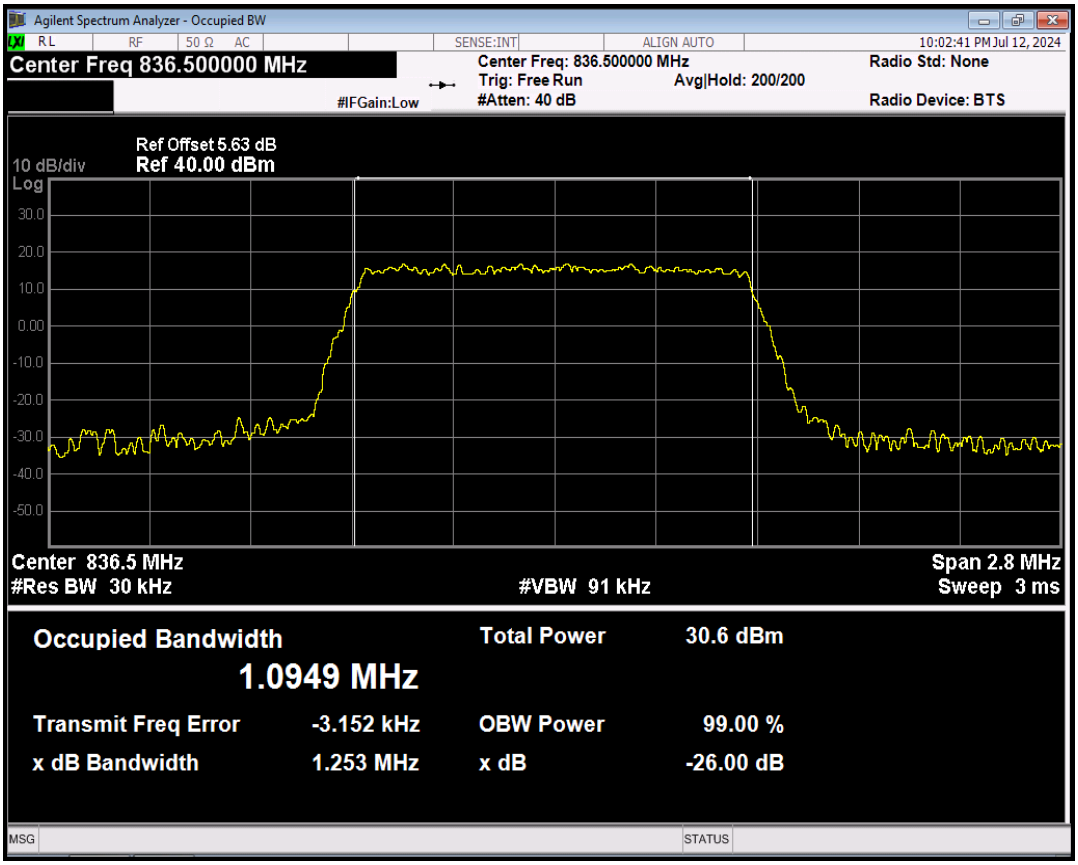
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



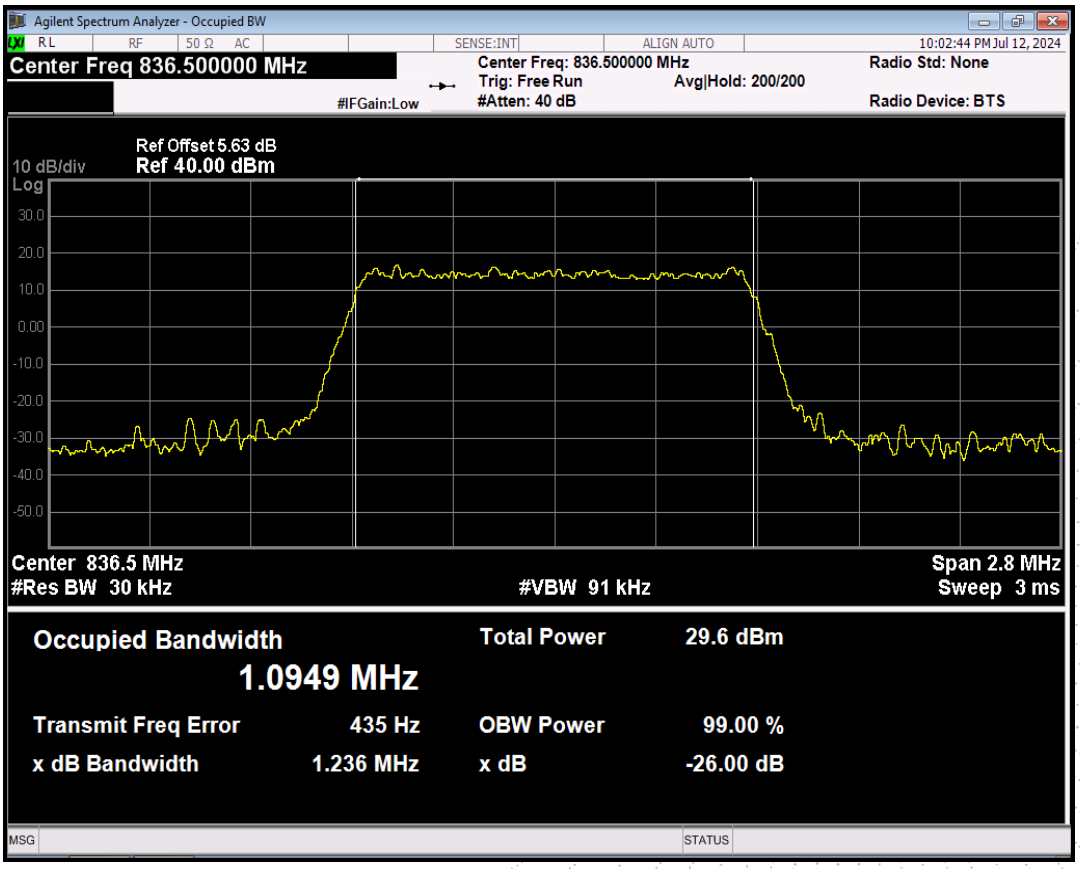
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



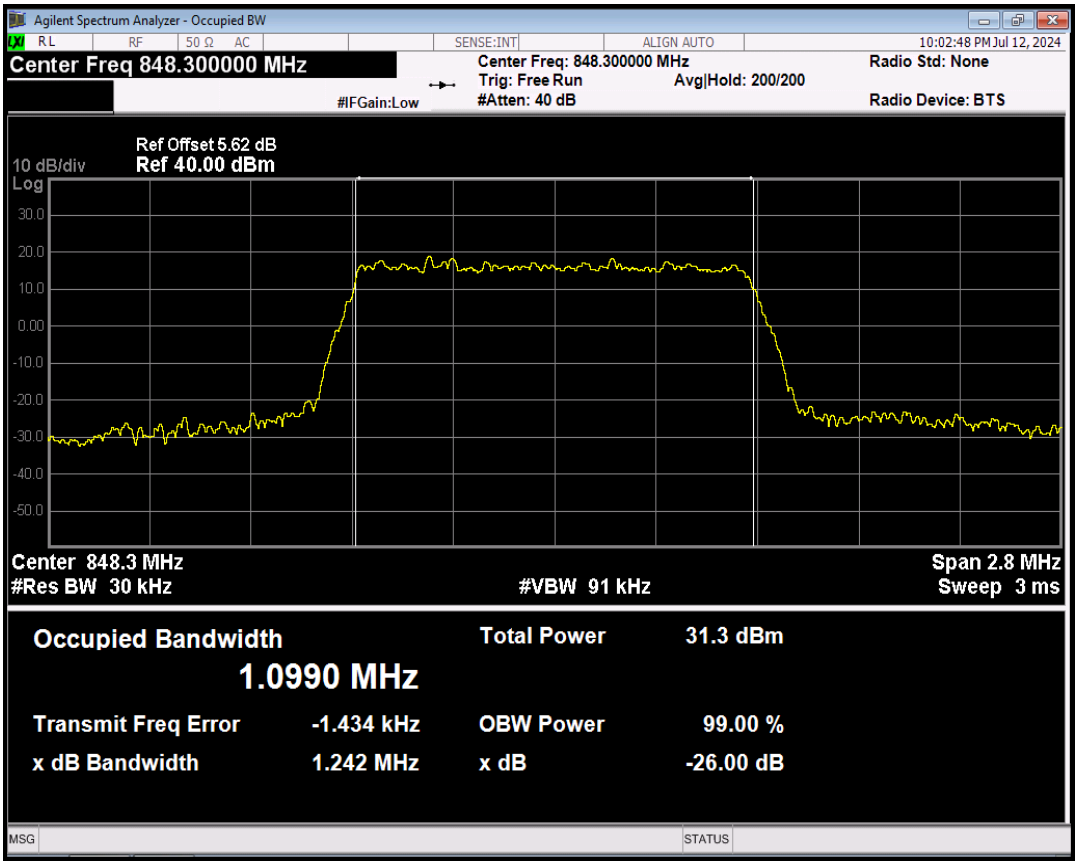
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



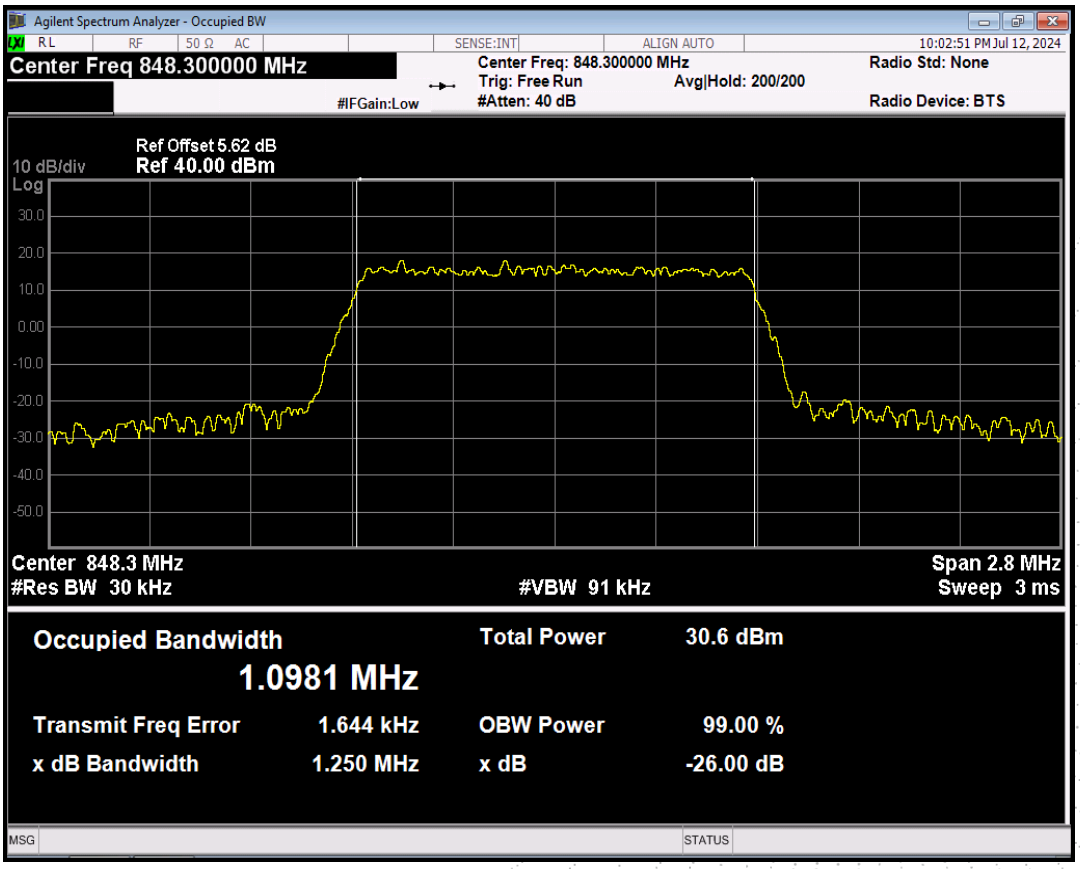
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



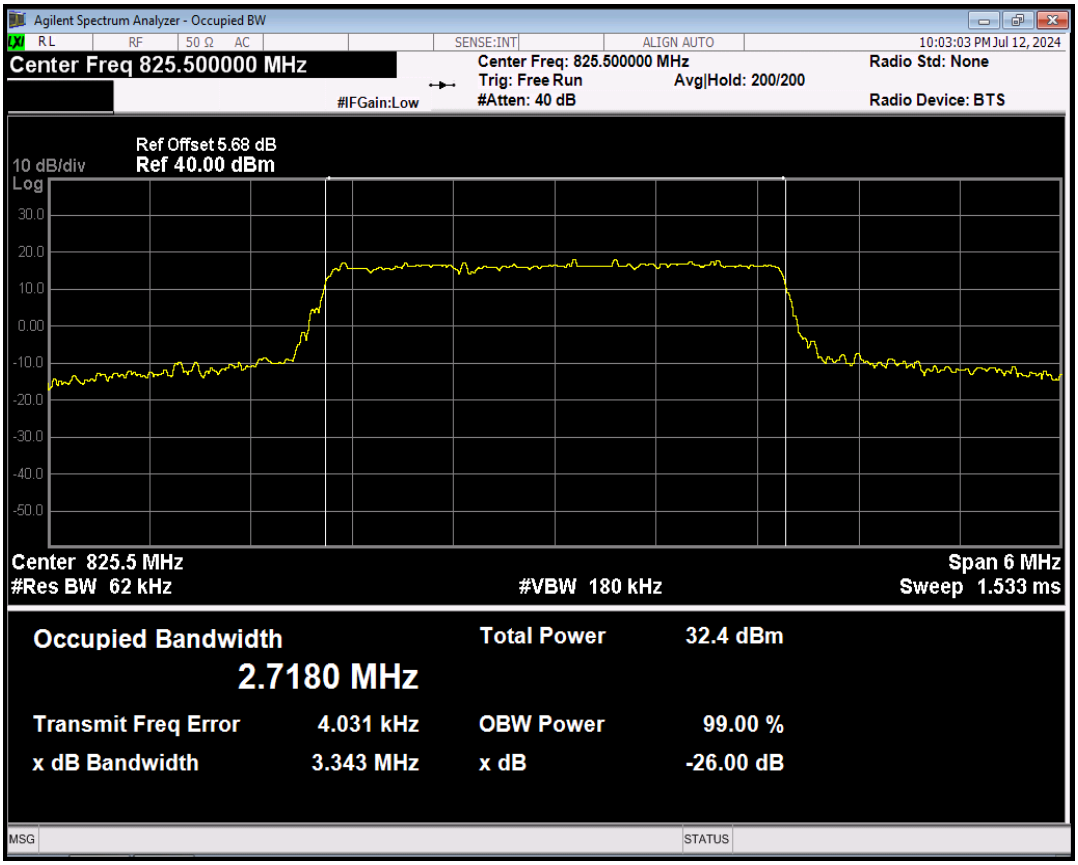
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



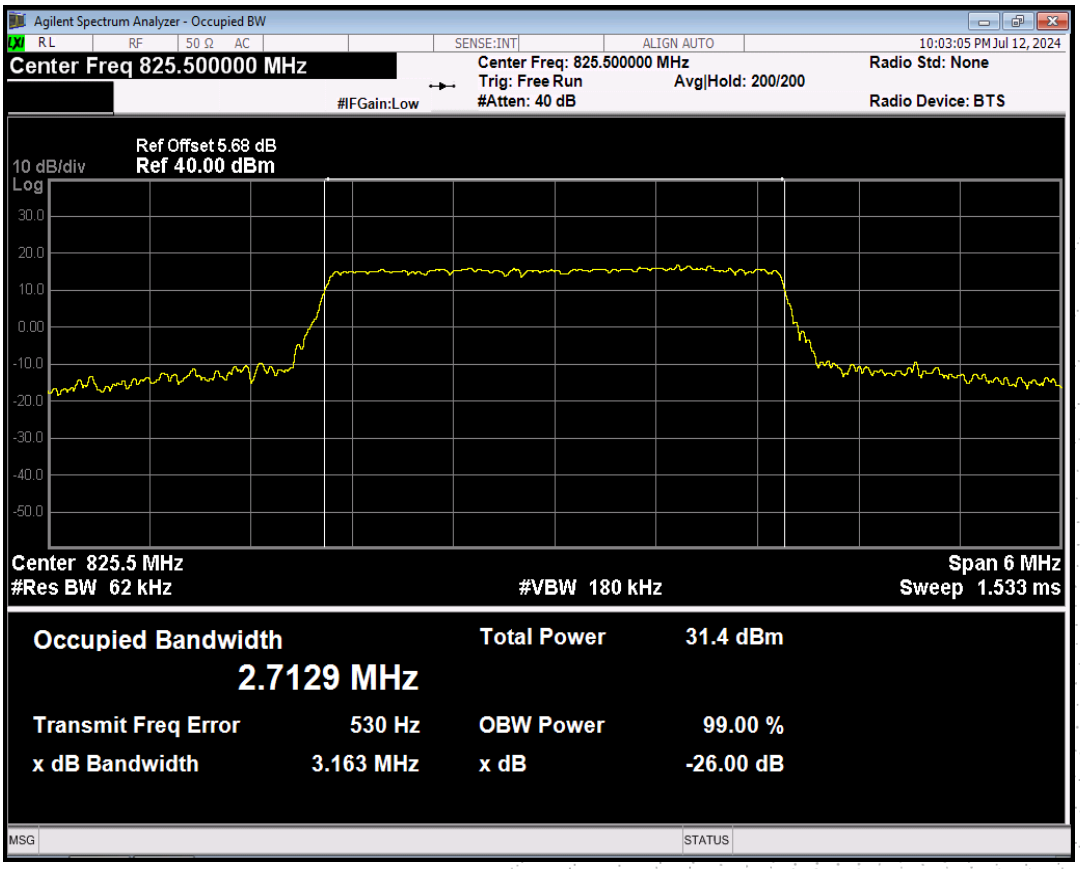
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



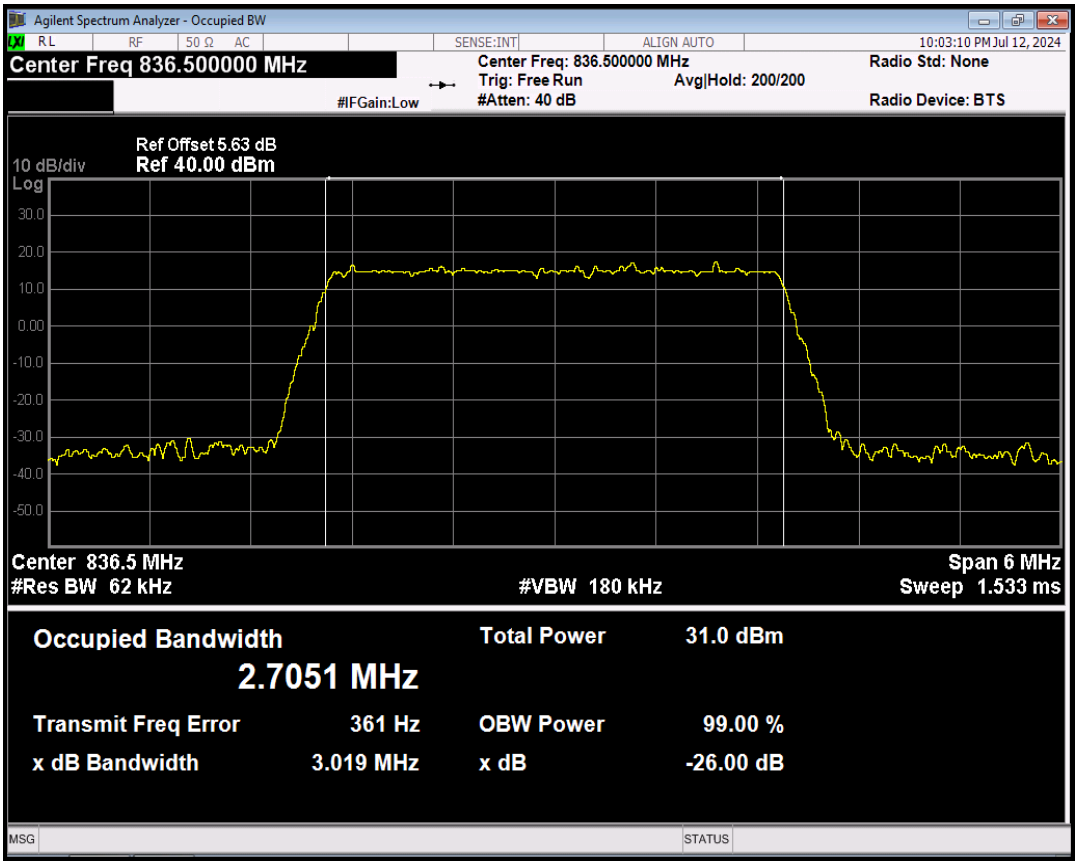
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



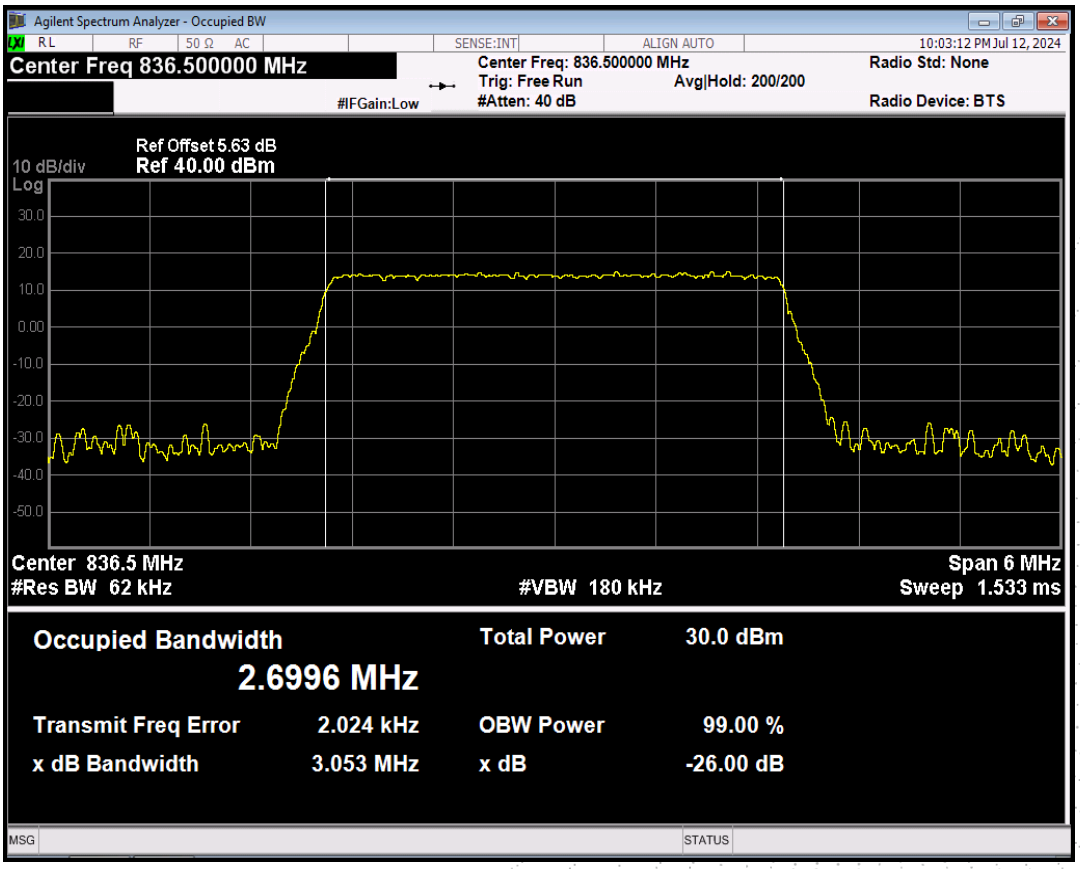
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



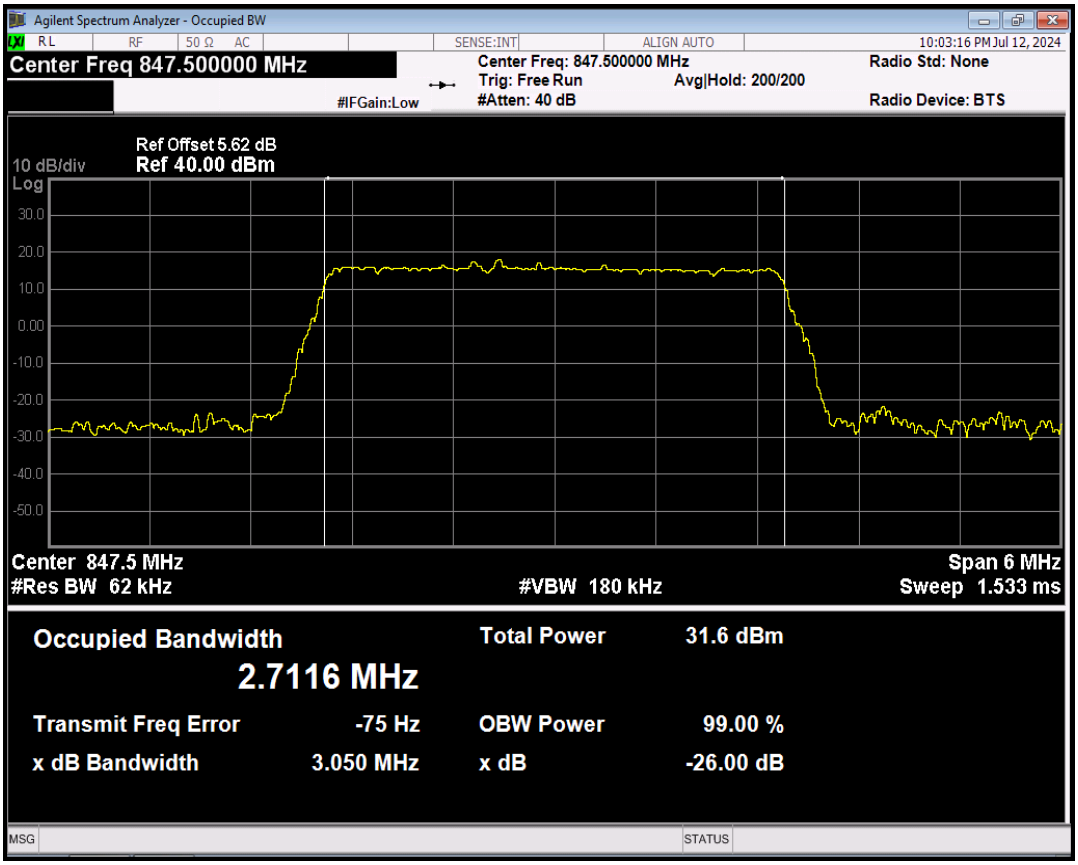
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



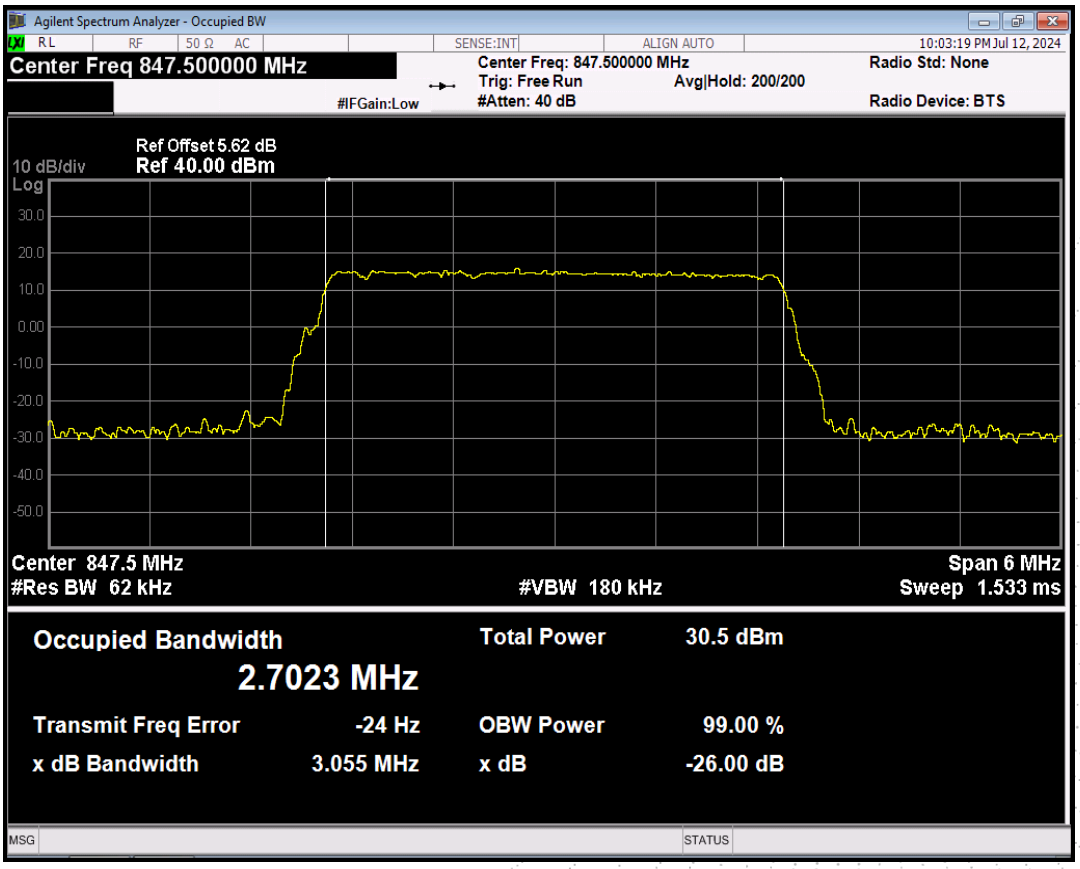
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



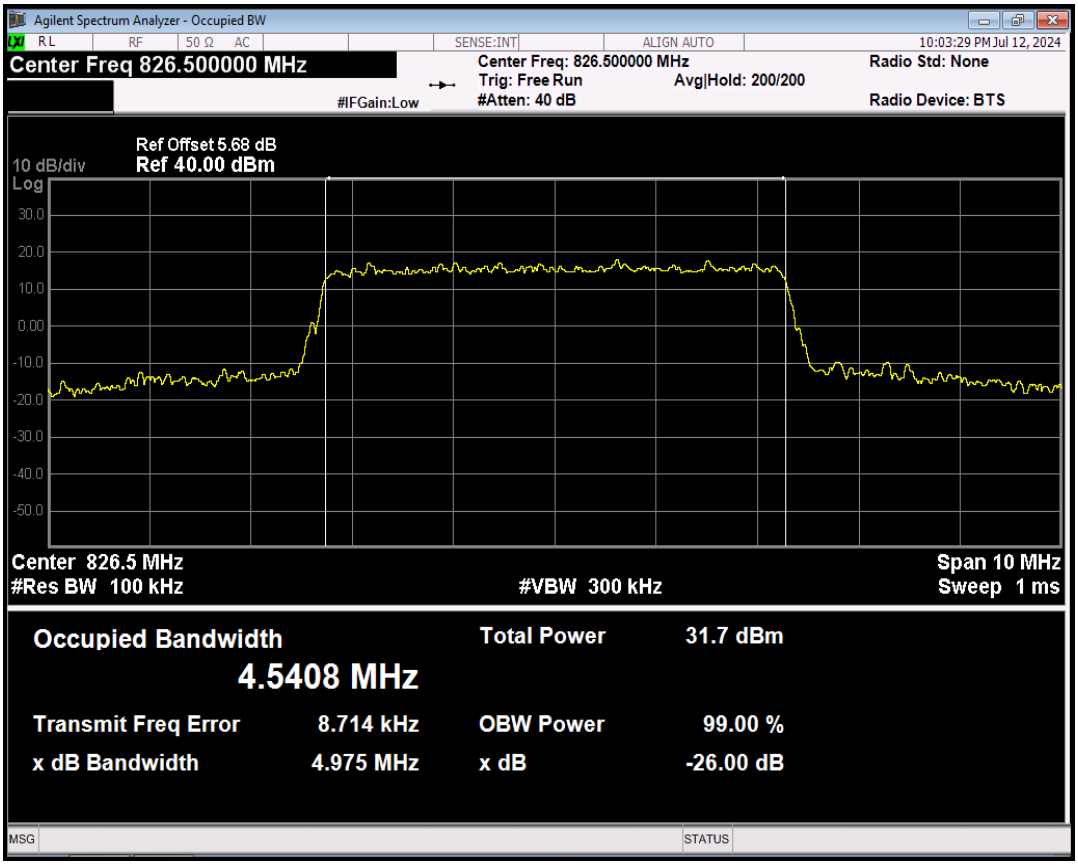
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



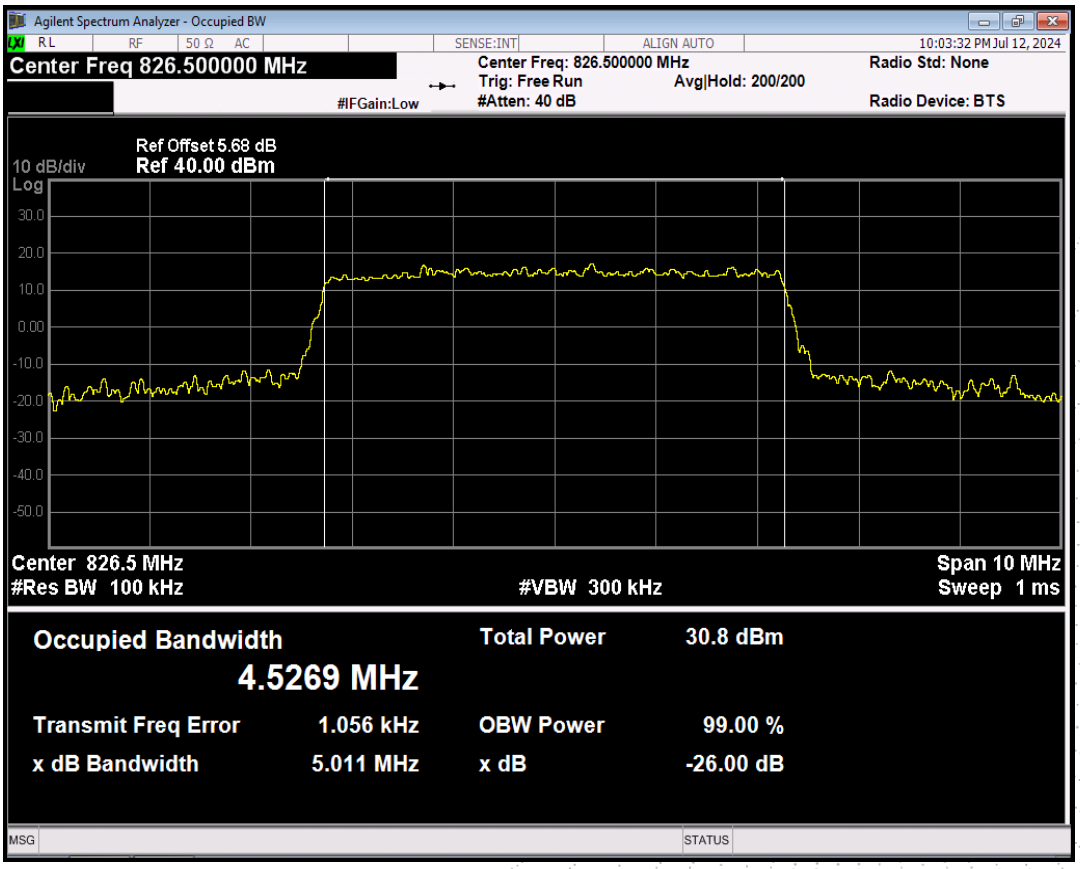
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



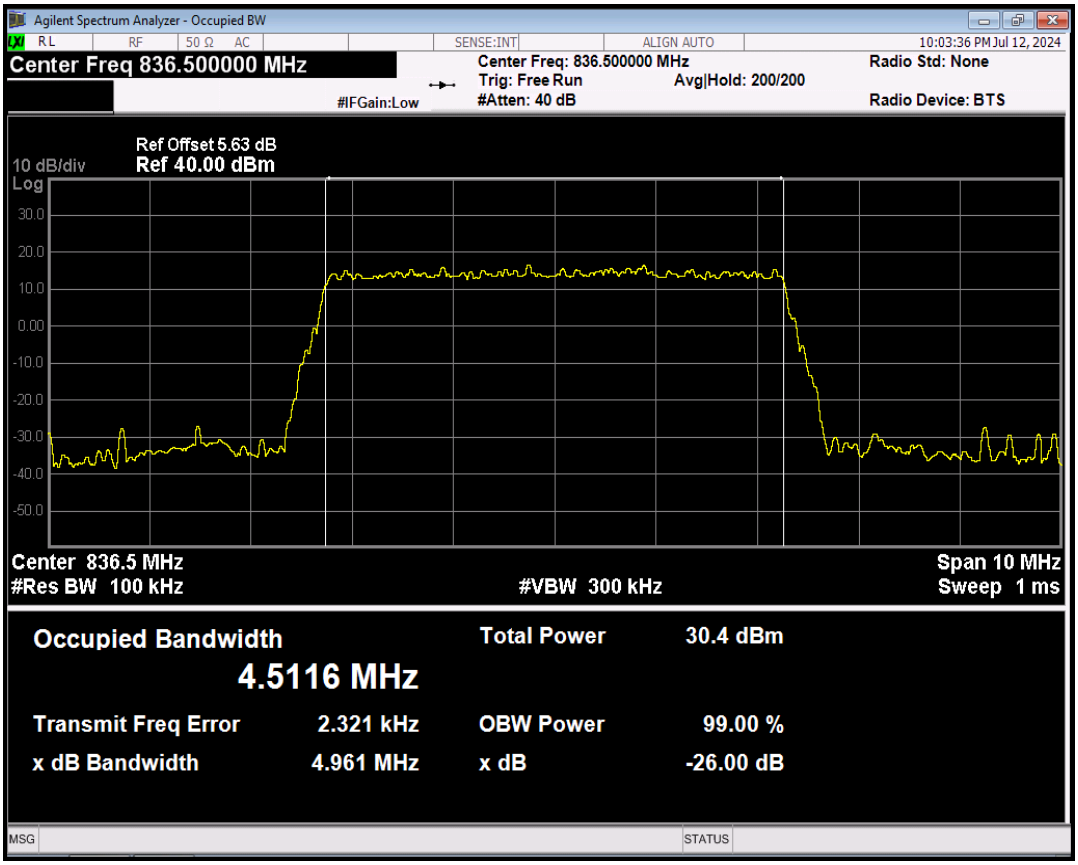
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



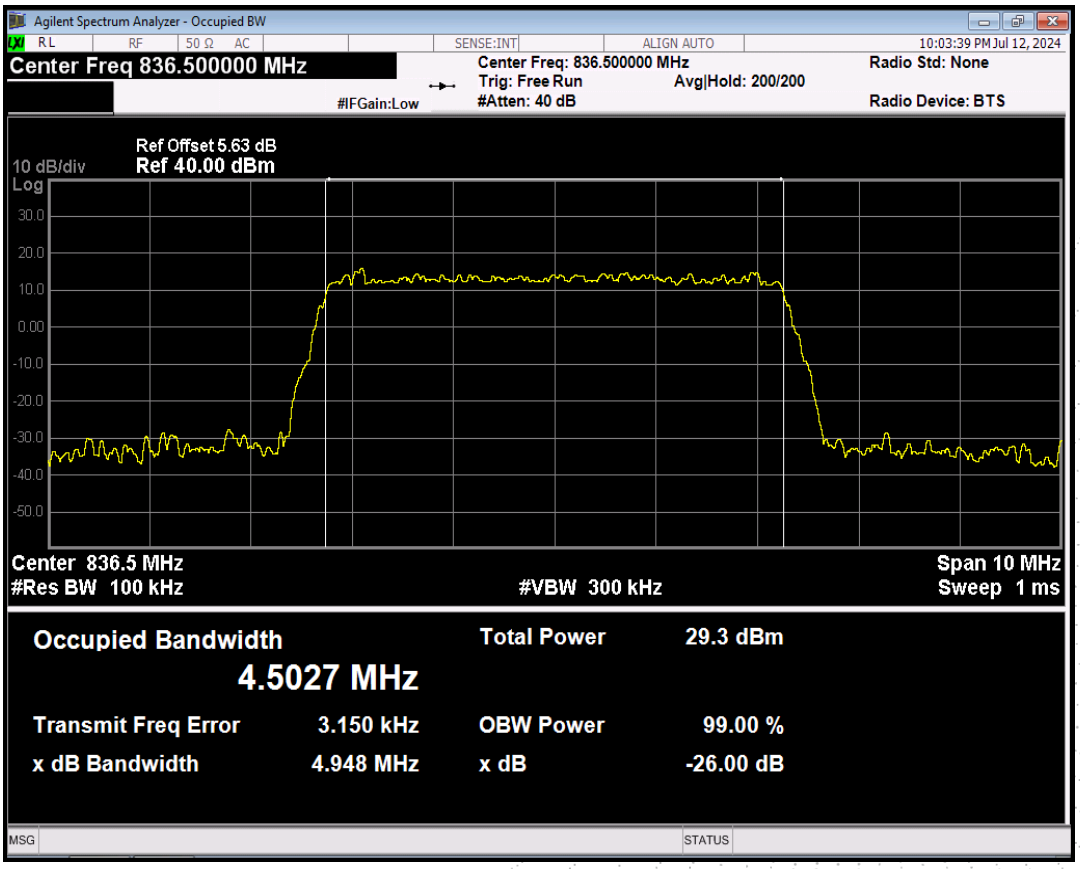
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



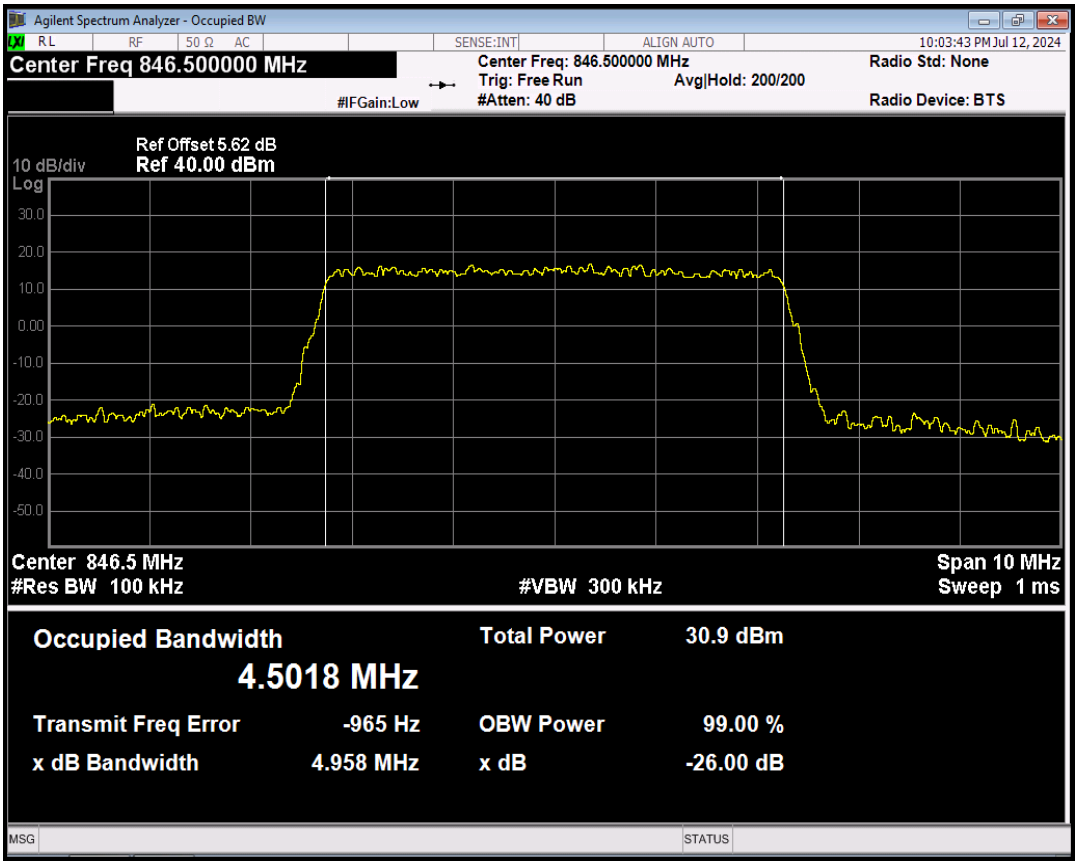
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



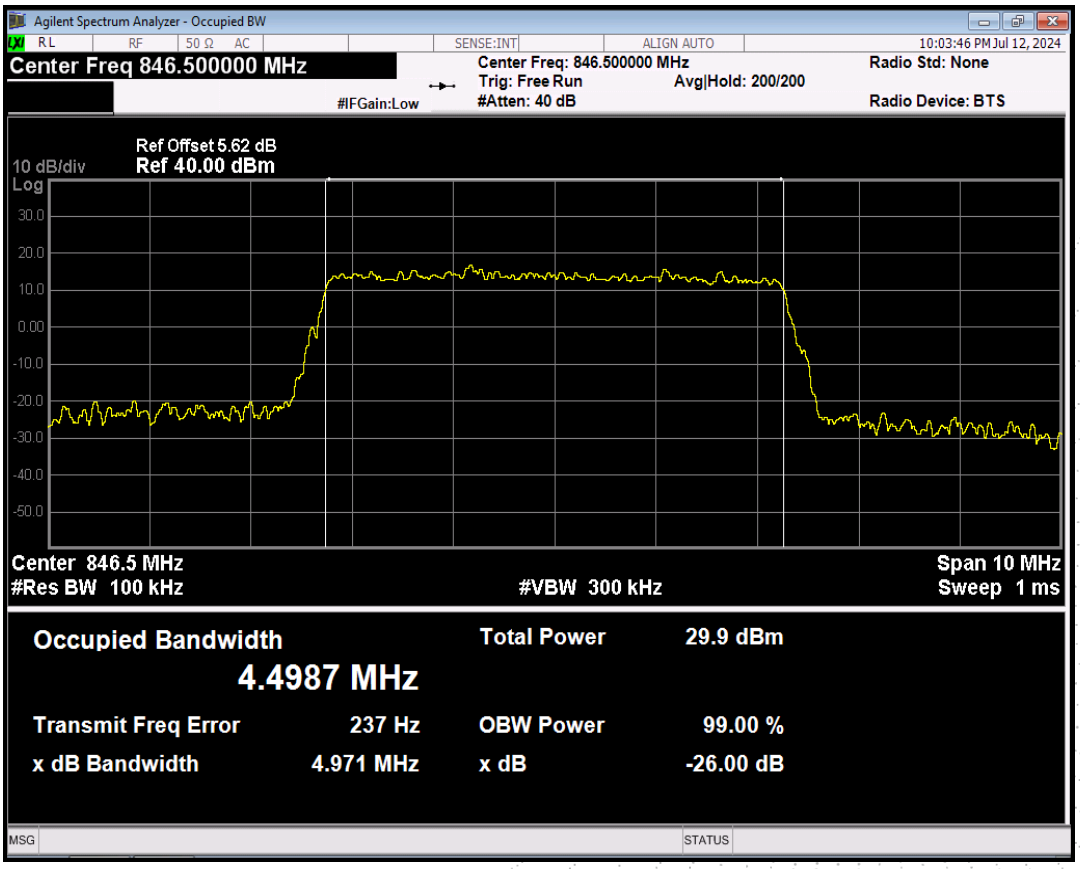
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0



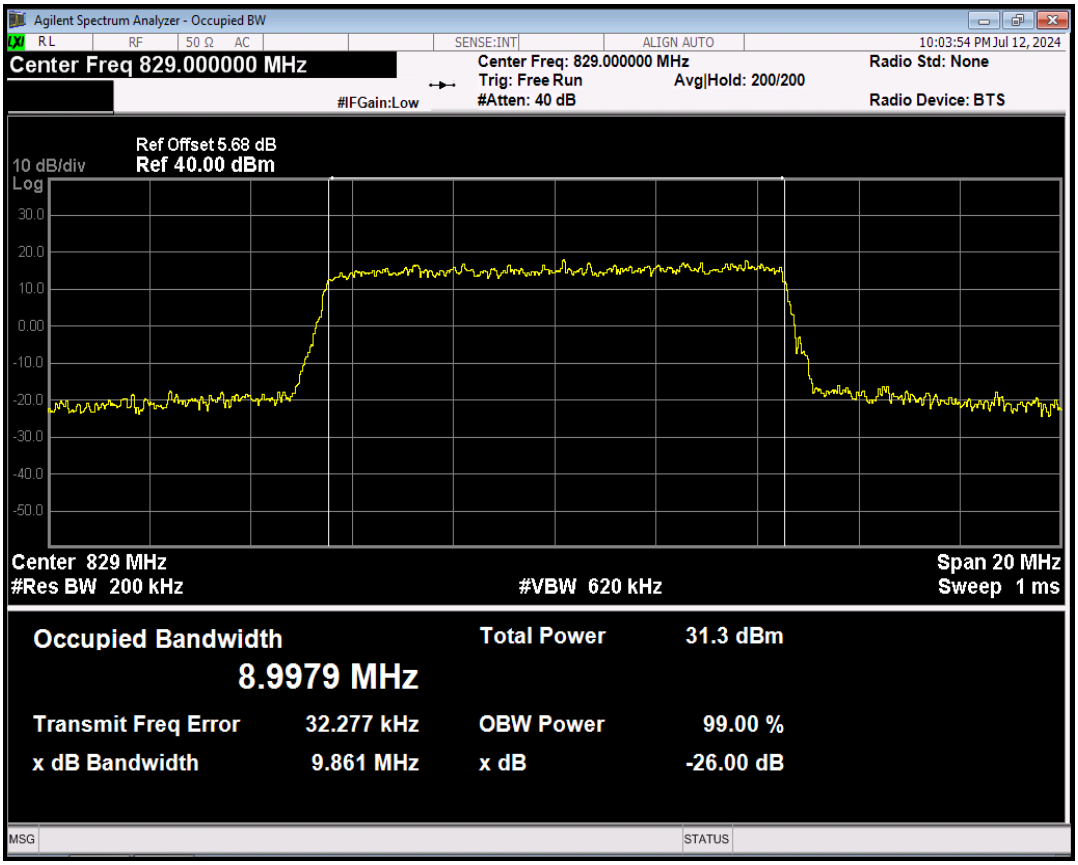
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



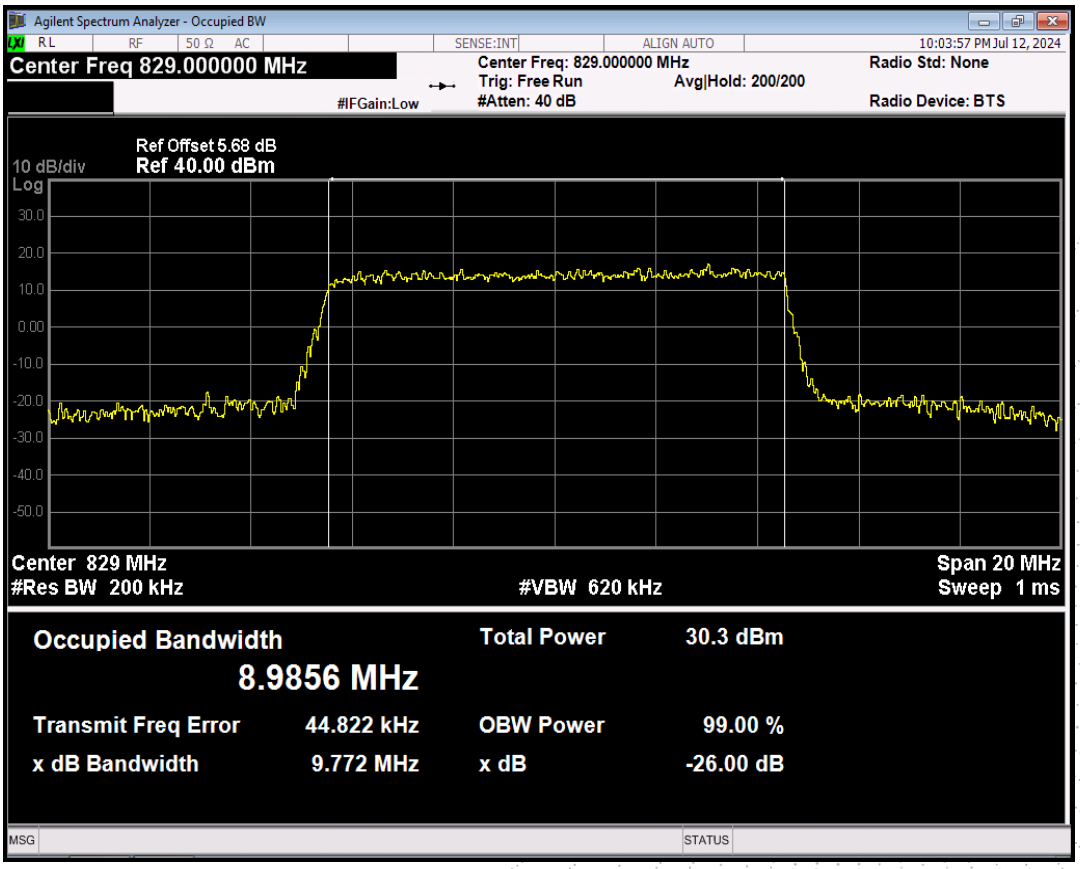
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



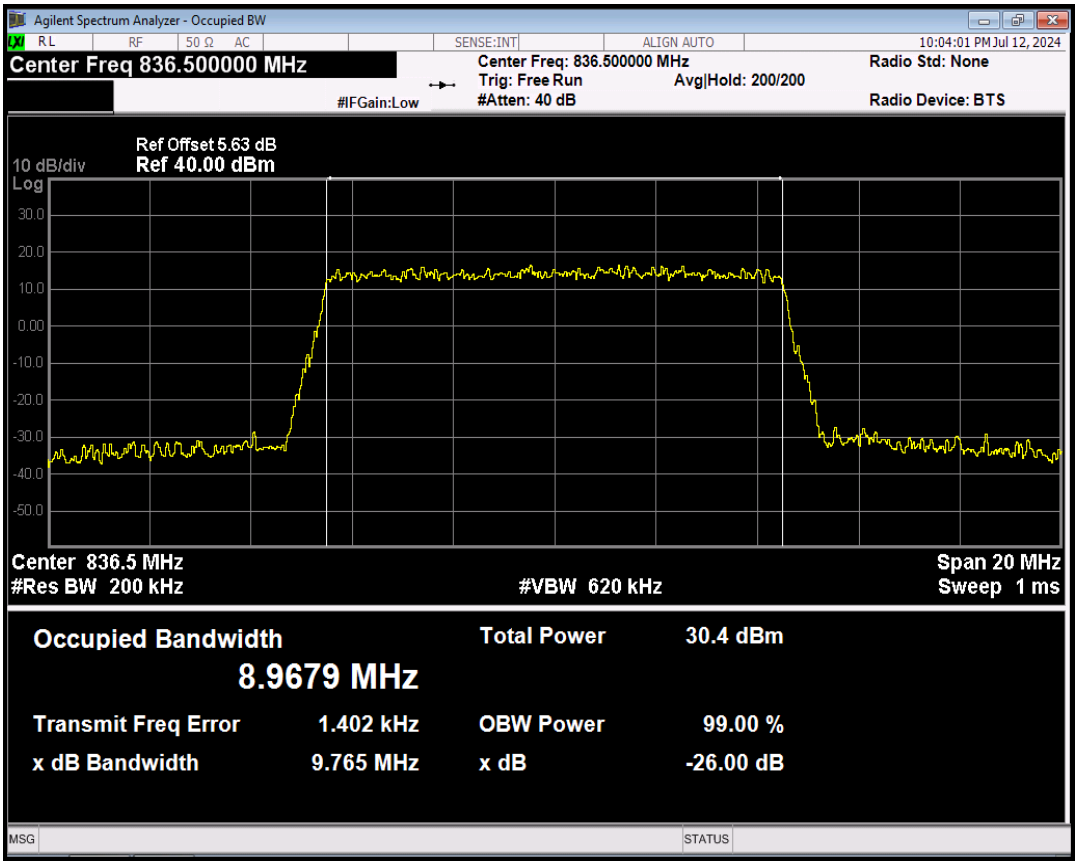
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



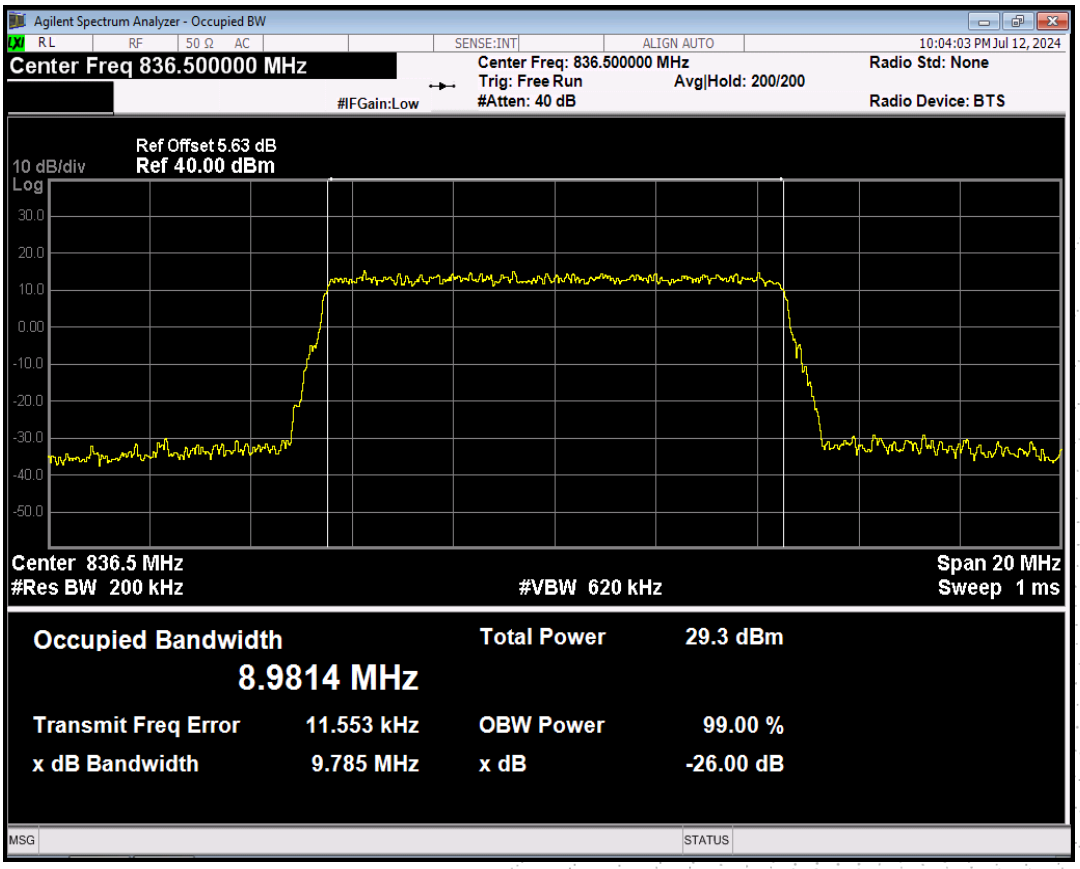
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



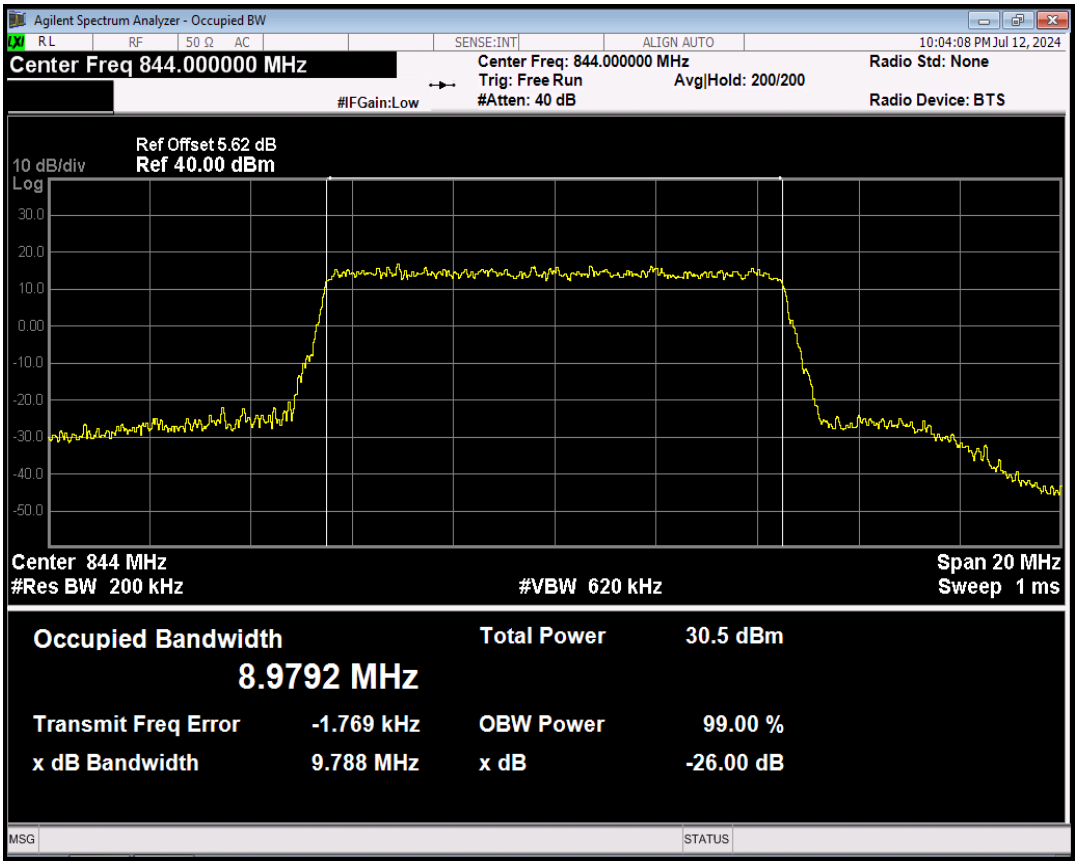
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



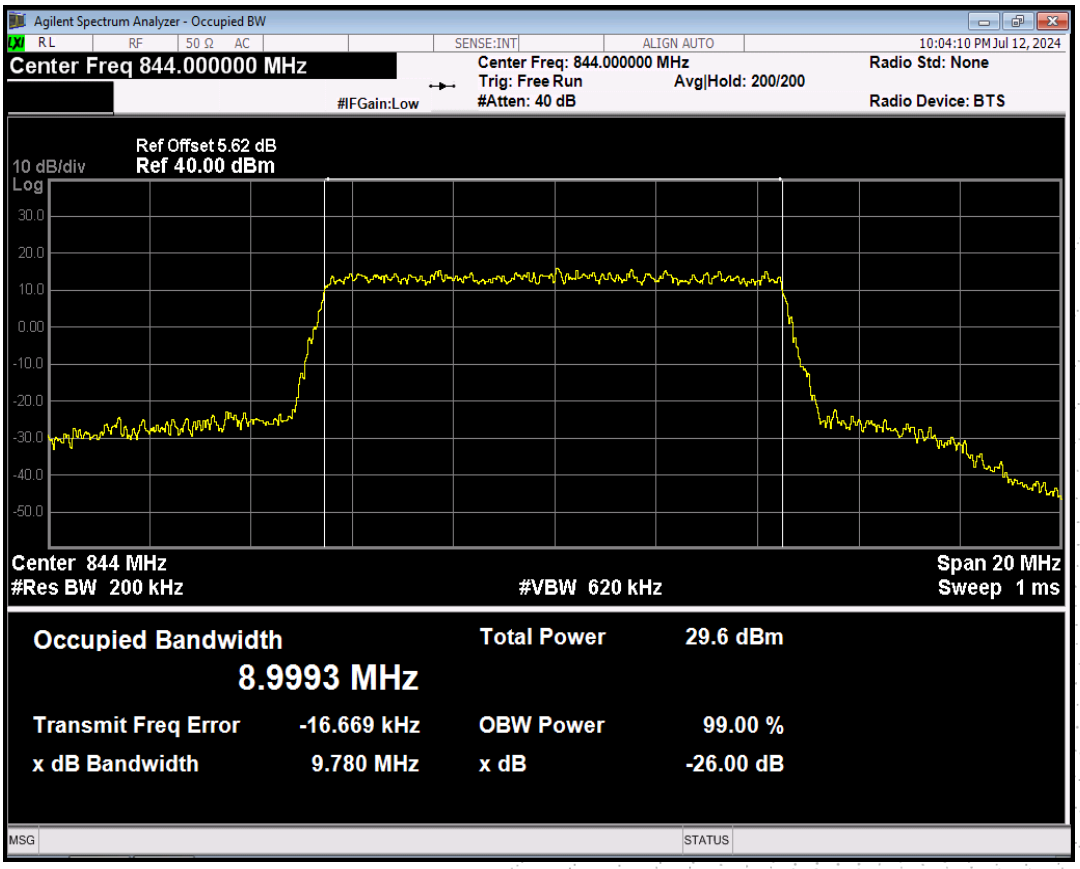
Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0



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



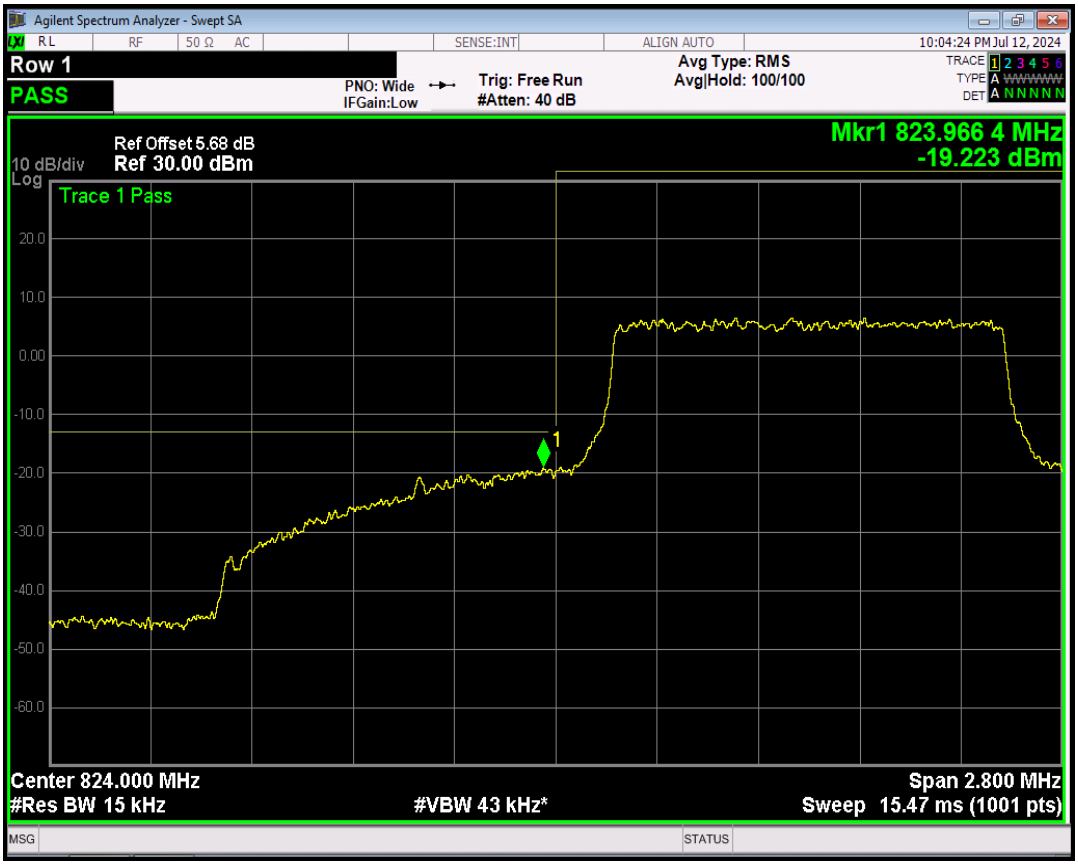
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



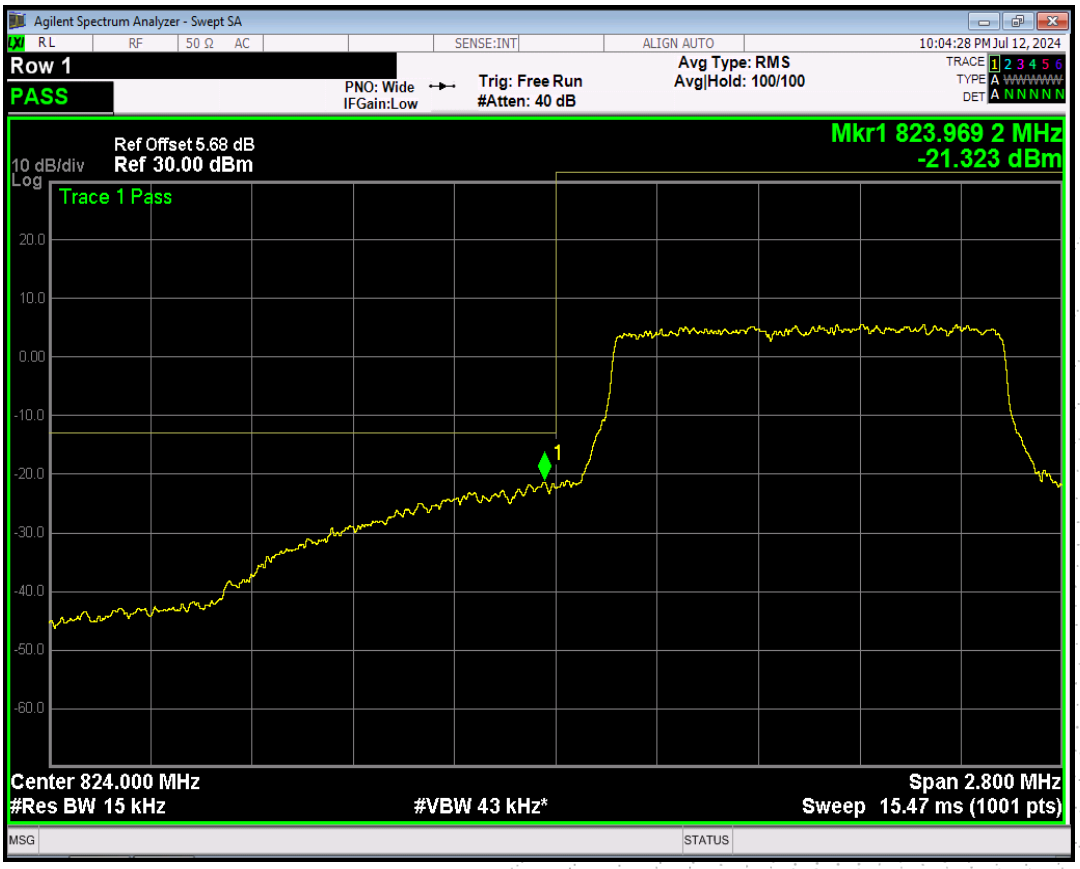
Appendix 5. Band edge

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	-19.22	-13	PASS
Band5	1.4	20407	6	#0	16QAM	823.97	-21.32	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.07	-35.45	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-35.77	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-19.46	-13	PASS
Band5	3	20415	15	#0	16QAM	823.98	-21.97	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-25.22	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-25.82	-13	PASS
Band5	5	20425	25	#0	QPSK	823.92	-23.54	-13	PASS
Band5	5	20425	25	#0	16QAM	823.99	-24.99	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-31.50	-13	PASS
Band5	5	20625	25	#0	16QAM	849.00	-31.17	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-29.93	-13	PASS
Band5	10	20450	50	#0	16QAM	824.00	-32.69	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-33.70	-13	PASS
Band5	10	20600	50	#0	16QAM	849.02	-33.68	-13	PASS

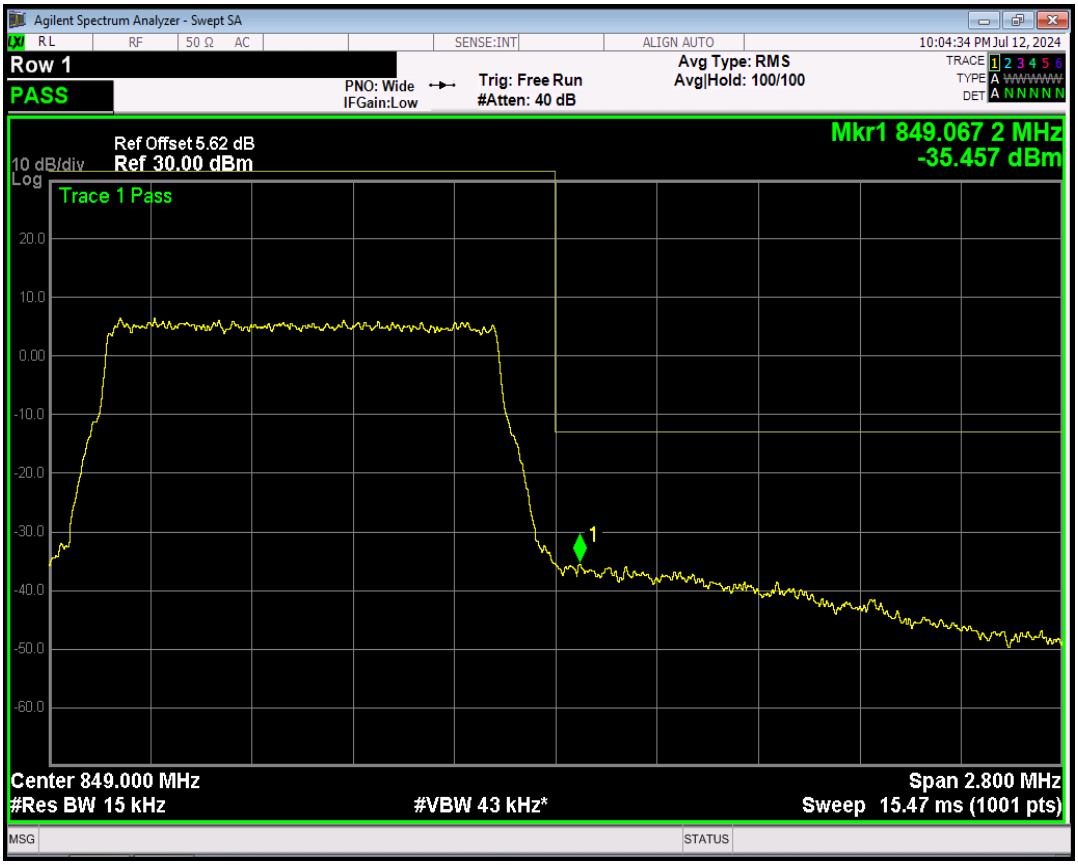
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



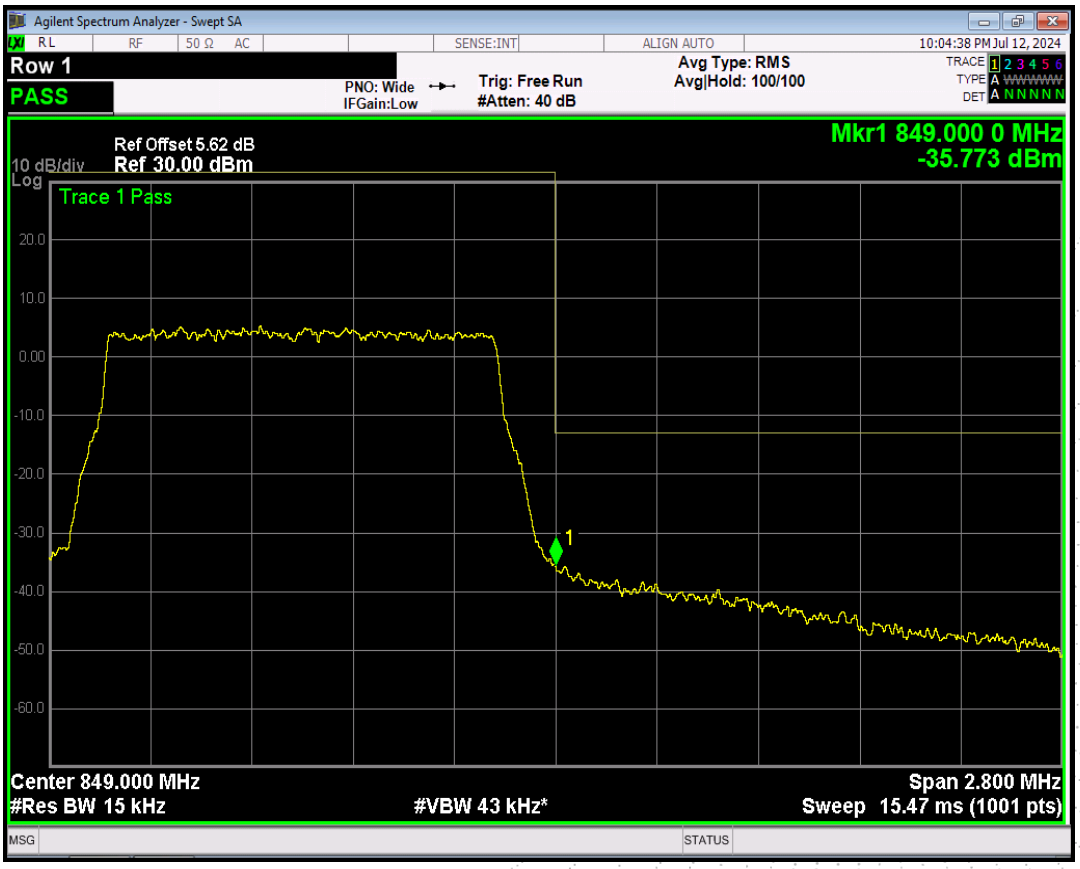
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0



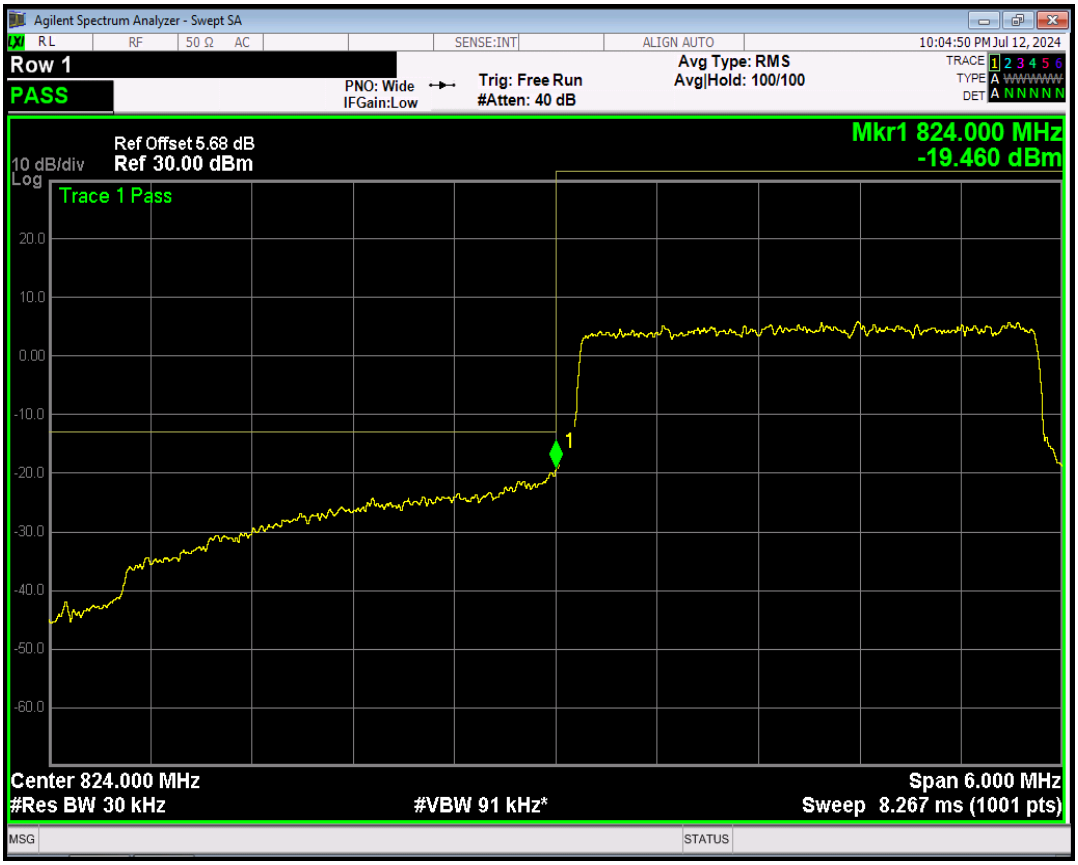
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



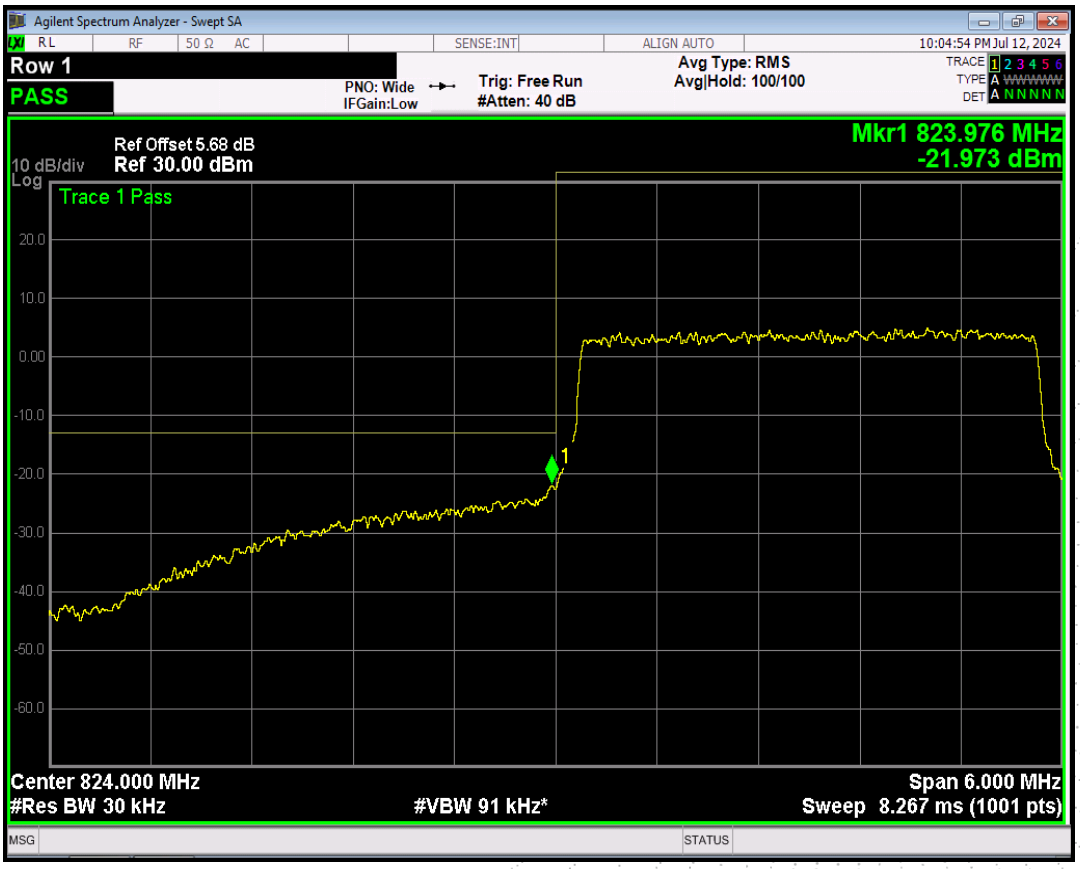
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



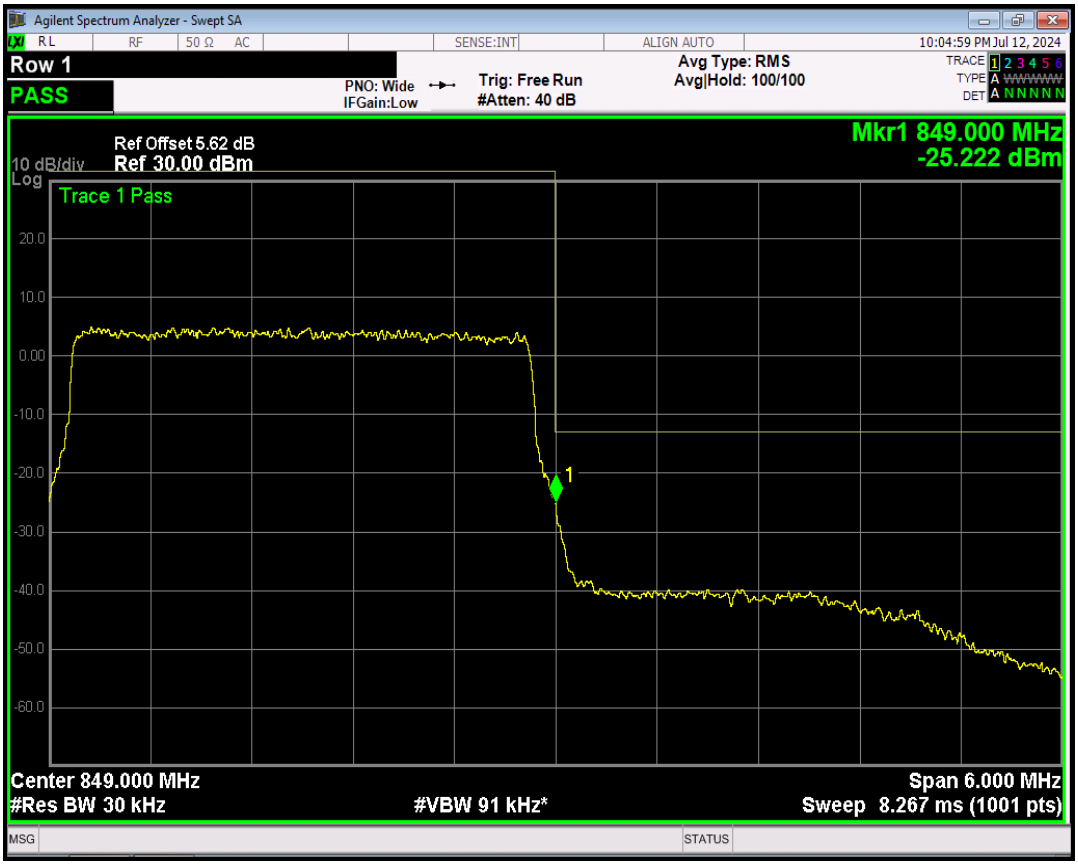
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



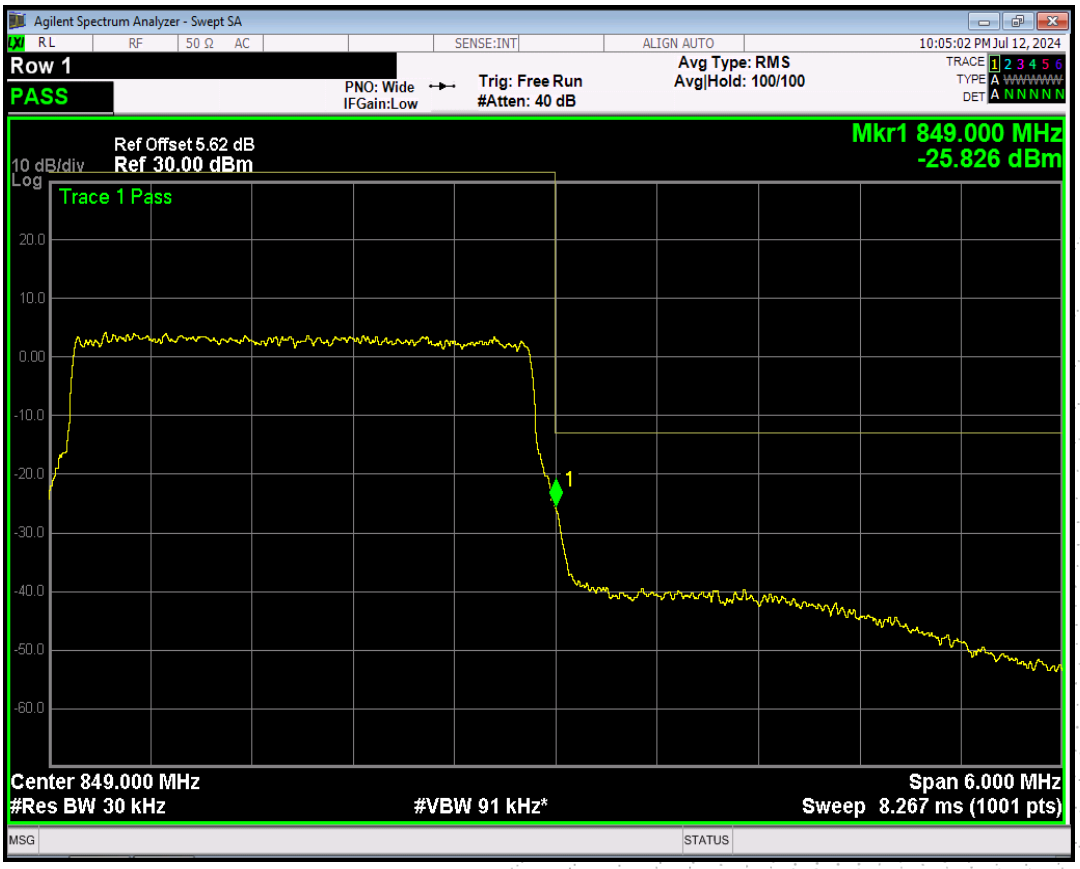
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0



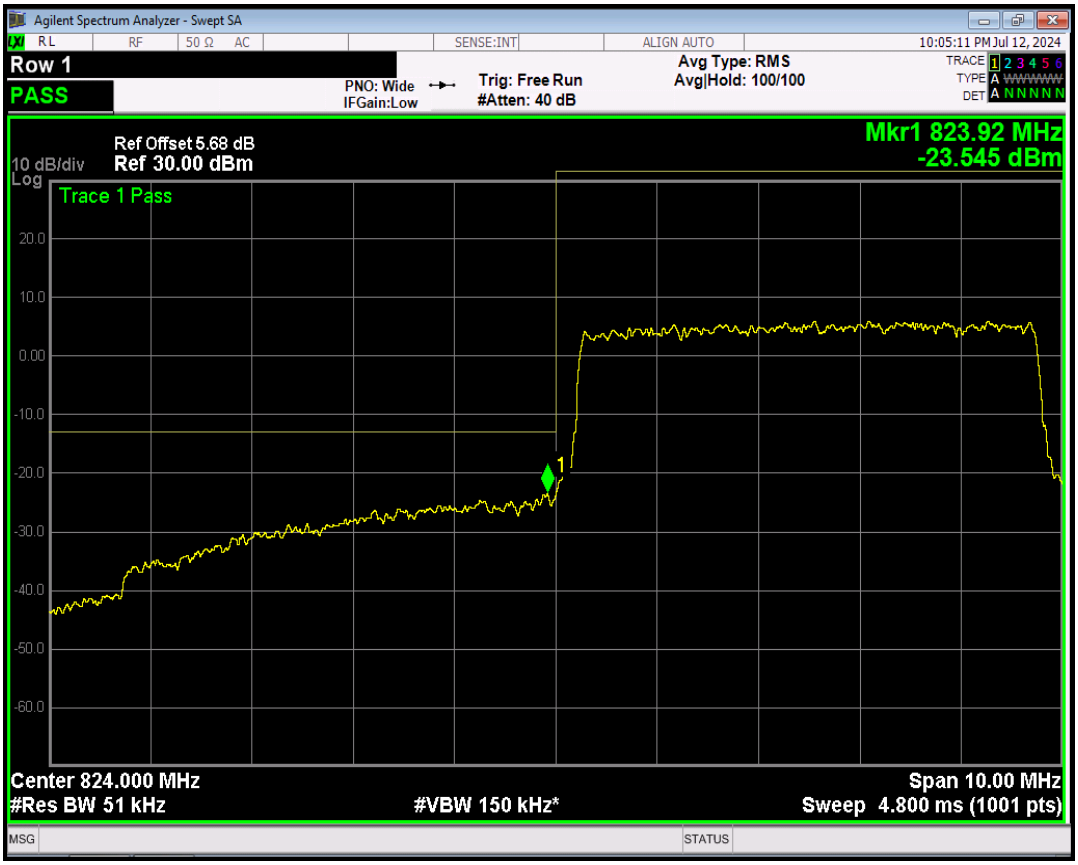
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



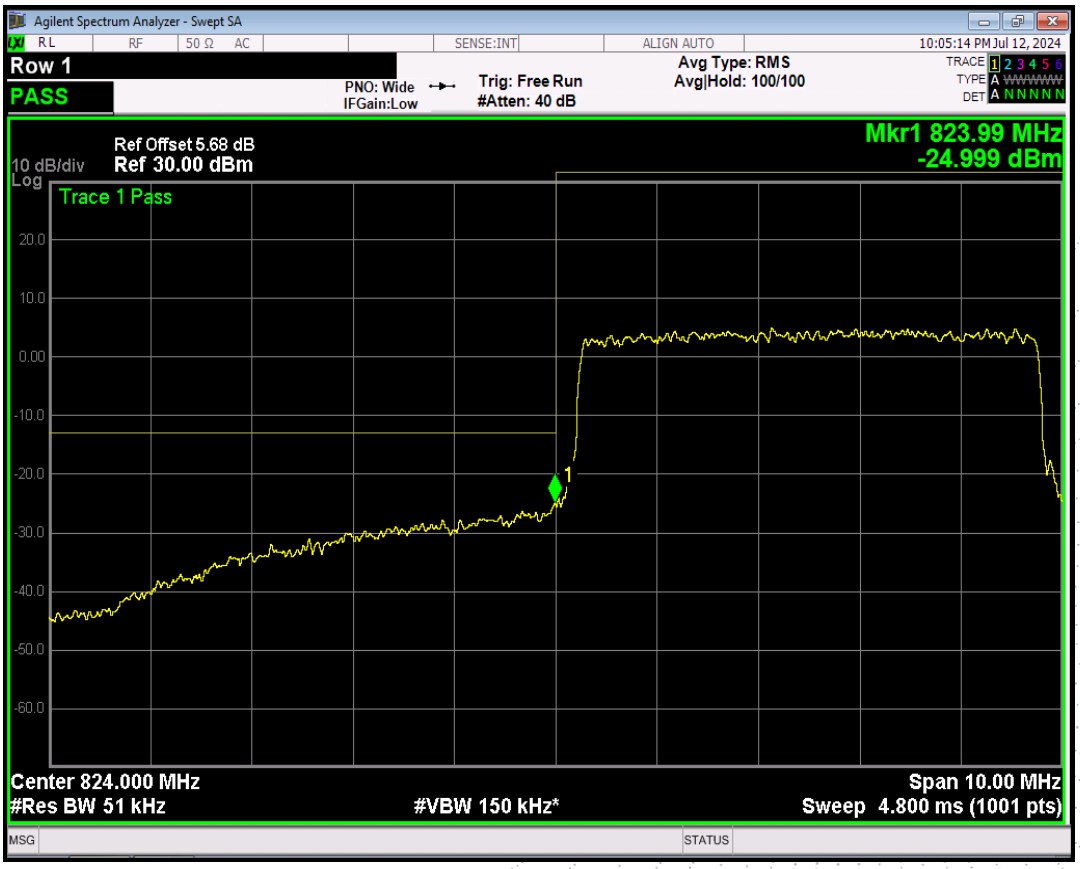
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0



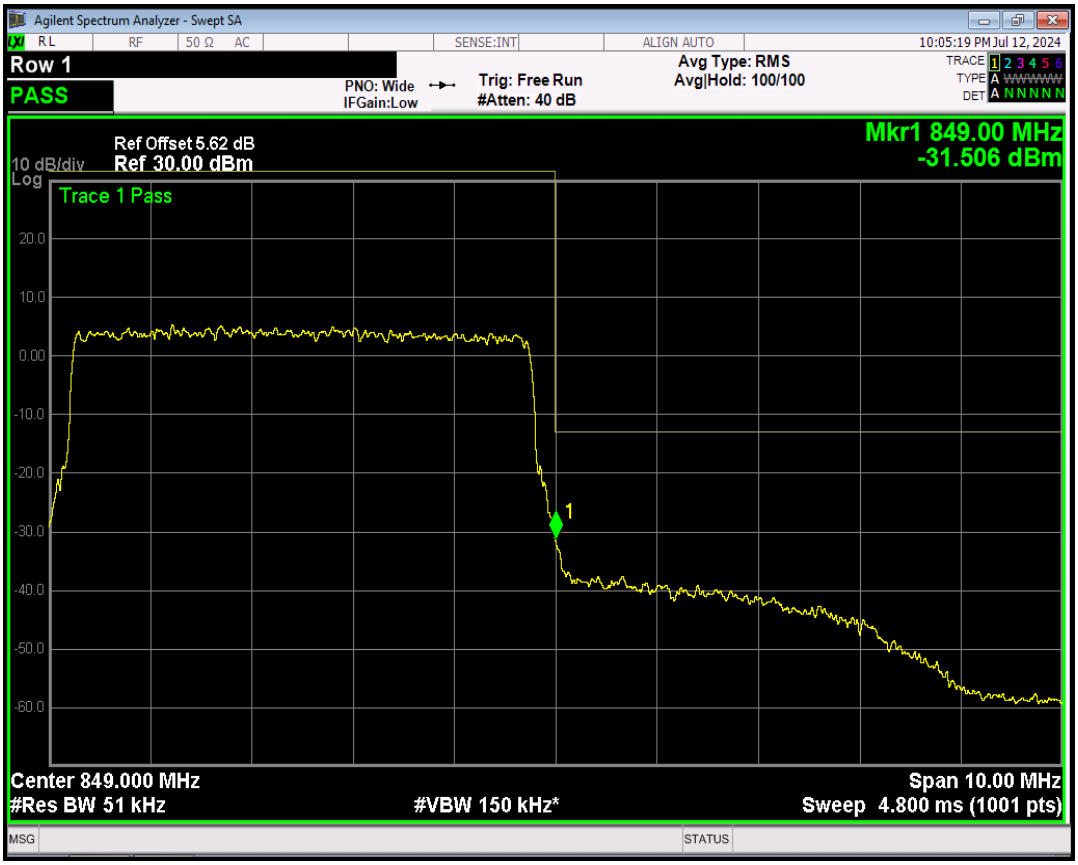
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



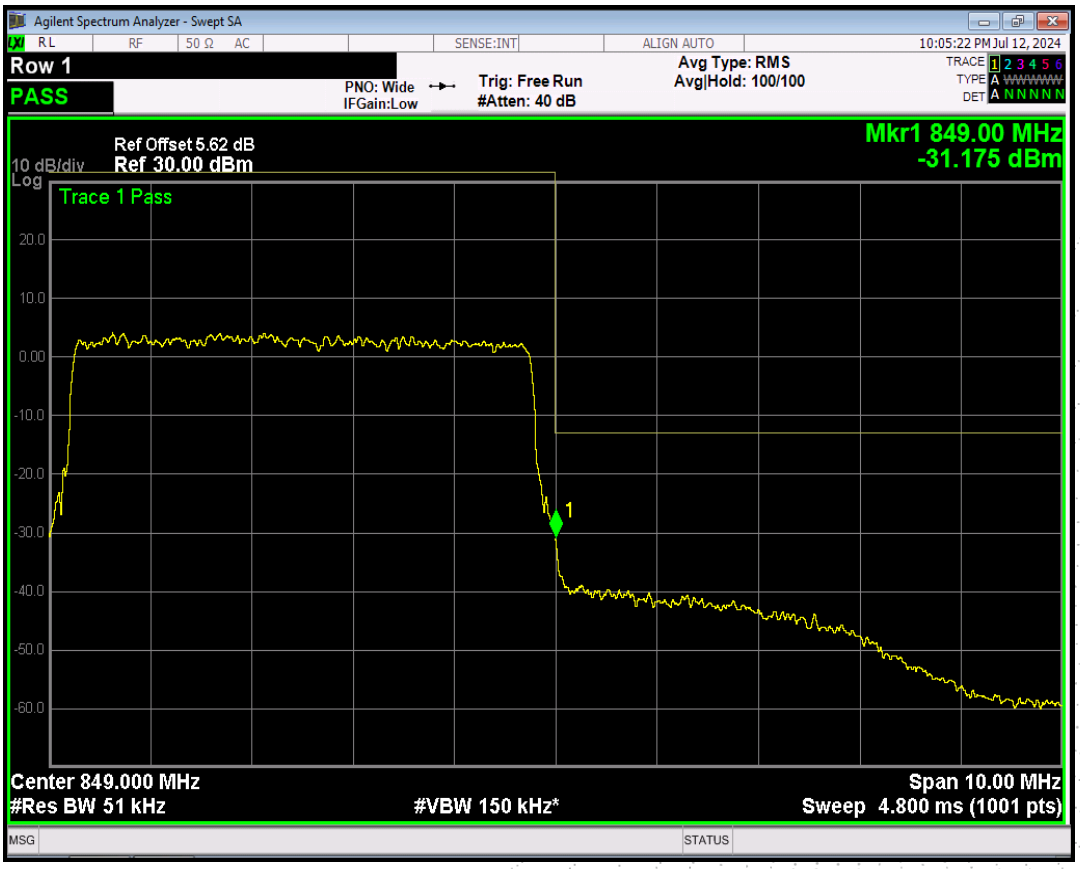
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0



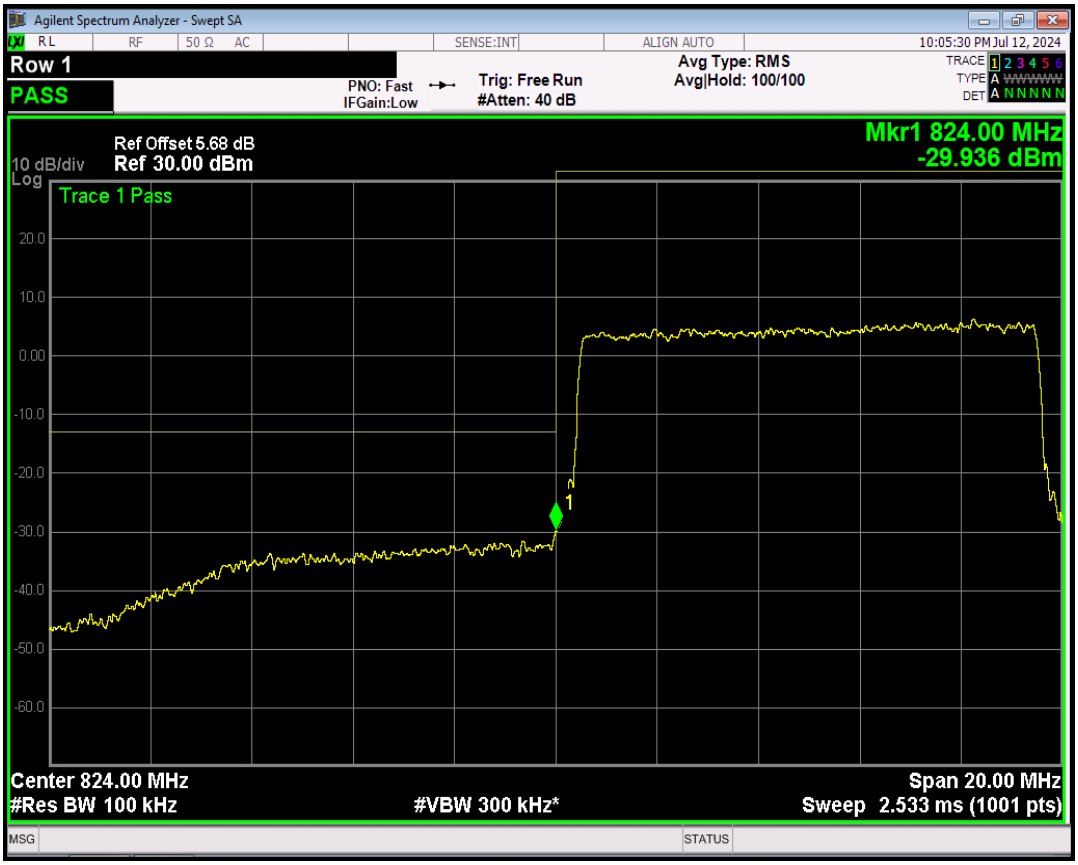
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



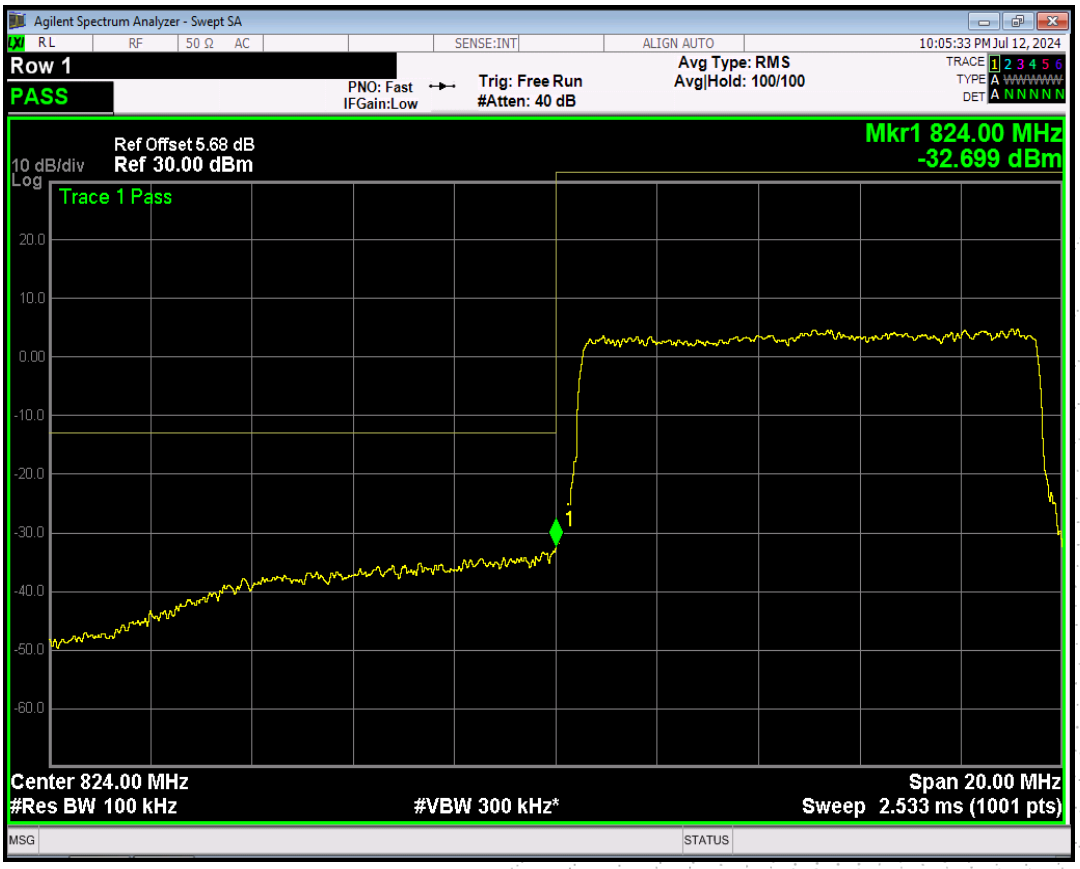
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



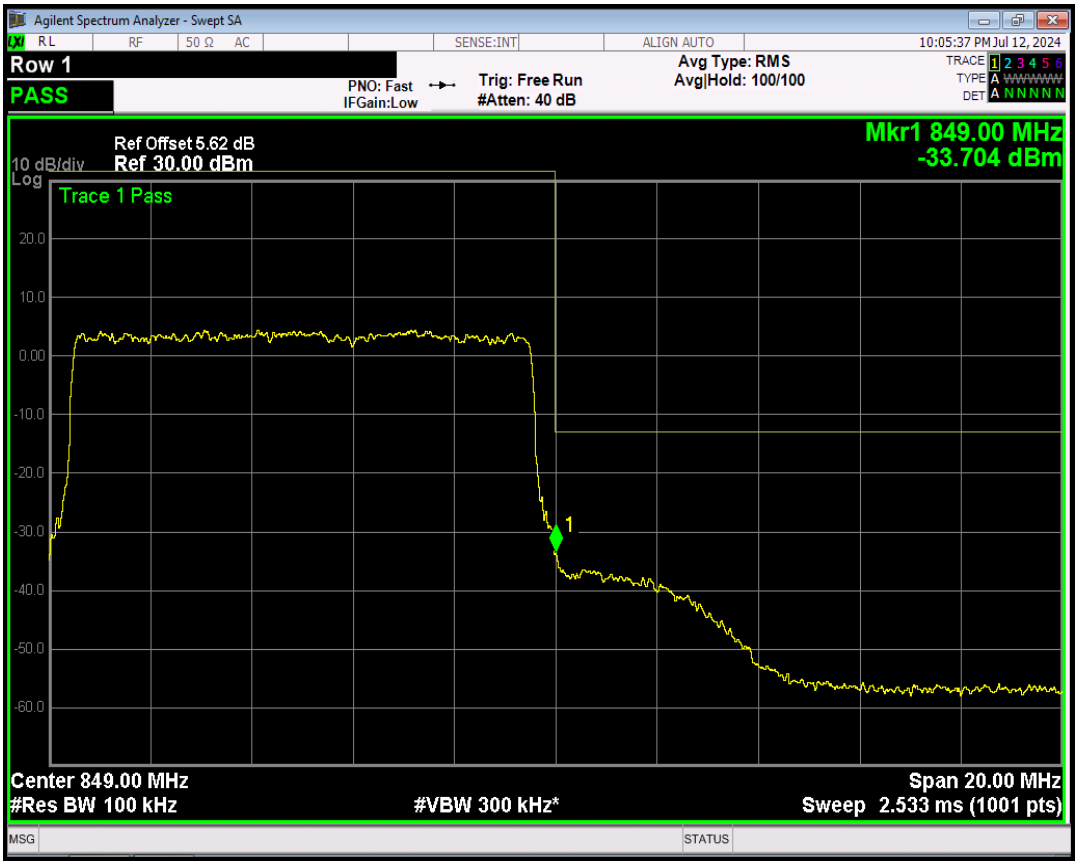
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



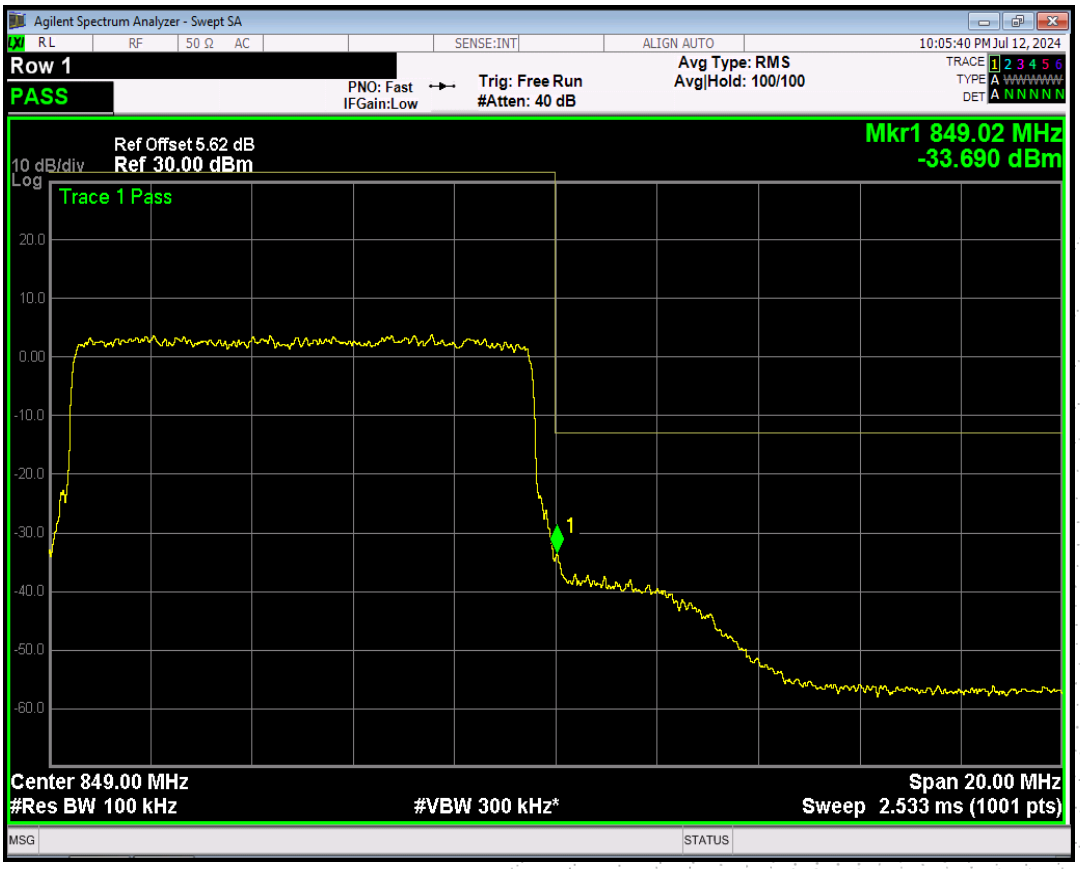
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



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



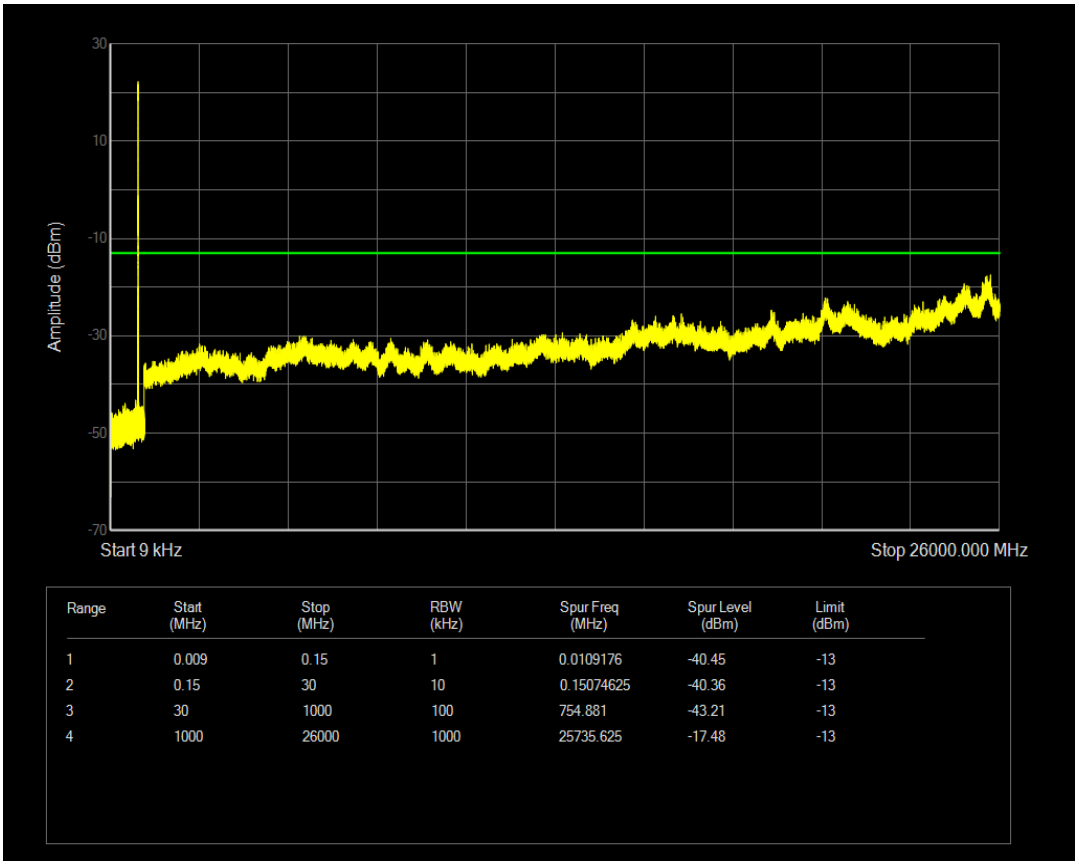
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



Appendix 6. Out-of-band emissions

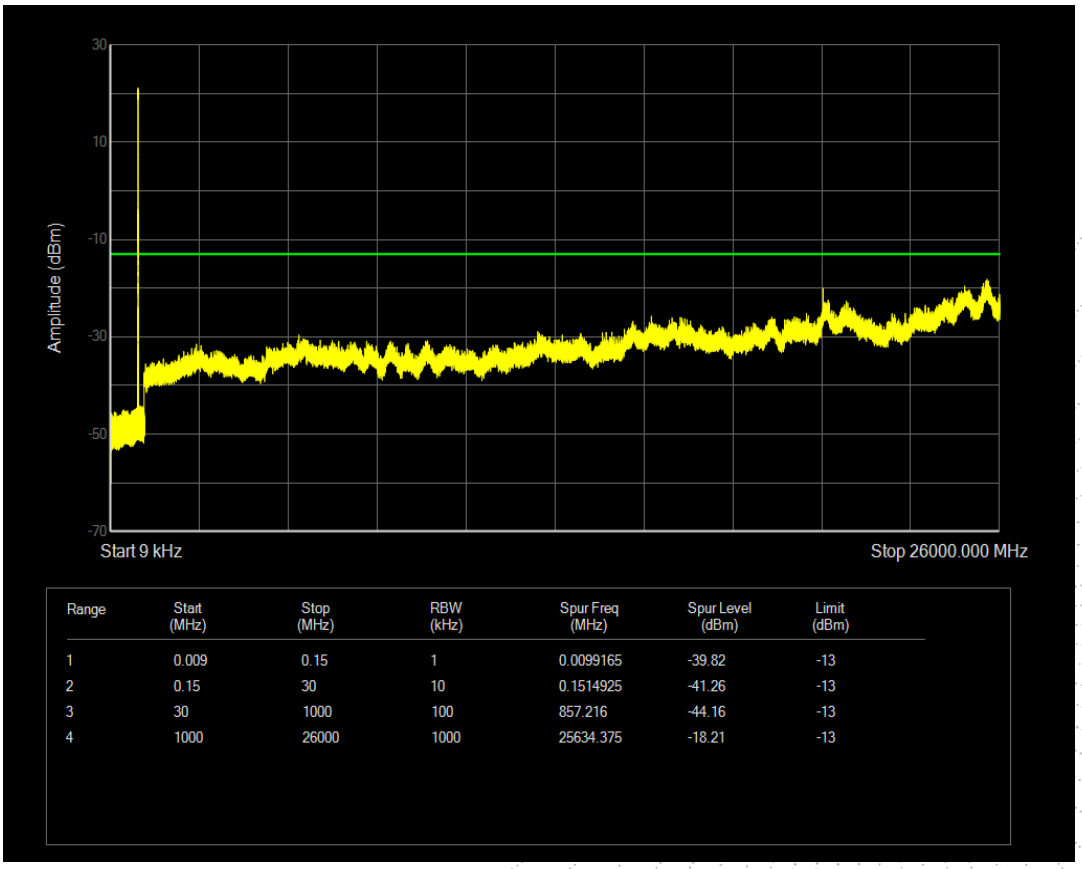
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	25735.63	-17.48	-13	PASS
Band5	1.4	20407	6	#0	16QAM	25634.38	-18.21	-13	PASS
Band5	1.4	20525	6	#0	QPSK	25623.75	-18.52	-13	PASS
Band5	1.4	20525	6	#0	16QAM	25618.75	-17.67	-13	PASS
Band5	1.4	20643	6	#0	QPSK	25622.50	-18.16	-13	PASS
Band5	1.4	20643	6	#0	16QAM	25629.38	-18.71	-13	PASS
Band5	3	20415	15	#0	QPSK	25635.63	-18.18	-13	PASS
Band5	3	20415	15	#0	16QAM	25620.00	-18.52	-13	PASS
Band5	3	20525	15	#0	QPSK	25563.13	-17.72	-13	PASS
Band5	3	20525	15	#0	16QAM	25675.63	-18.00	-13	PASS
Band5	3	20635	15	#0	QPSK	25618.13	-17.96	-13	PASS
Band5	3	20635	15	#0	16QAM	25635.63	-17.50	-13	PASS
Band5	5	20425	25	#0	QPSK	25588.75	-18.83	-13	PASS
Band5	5	20425	25	#0	16QAM	25678.75	-18.19	-13	PASS
Band5	5	20525	25	#0	QPSK	25686.25	-18.35	-13	PASS
Band5	5	20525	25	#0	16QAM	25550.00	-17.47	-13	PASS
Band5	5	20625	25	#0	QPSK	25605.00	-18.21	-13	PASS
Band5	5	20625	25	#0	16QAM	25640.63	-18.12	-13	PASS
Band5	10	20450	50	#0	QPSK	25626.25	-17.65	-13	PASS
Band5	10	20450	50	#0	16QAM	25625.00	-18.36	-13	PASS
Band5	10	20525	50	#0	QPSK	25656.25	-17.96	-13	PASS
Band5	10	20525	50	#0	16QAM	25613.13	-18.21	-13	PASS
Band5	10	20600	50	#0	QPSK	25635.00	-18.10	-13	PASS
Band5	10	20600	50	#0	16QAM	25653.75	-18.34	-13	PASS

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



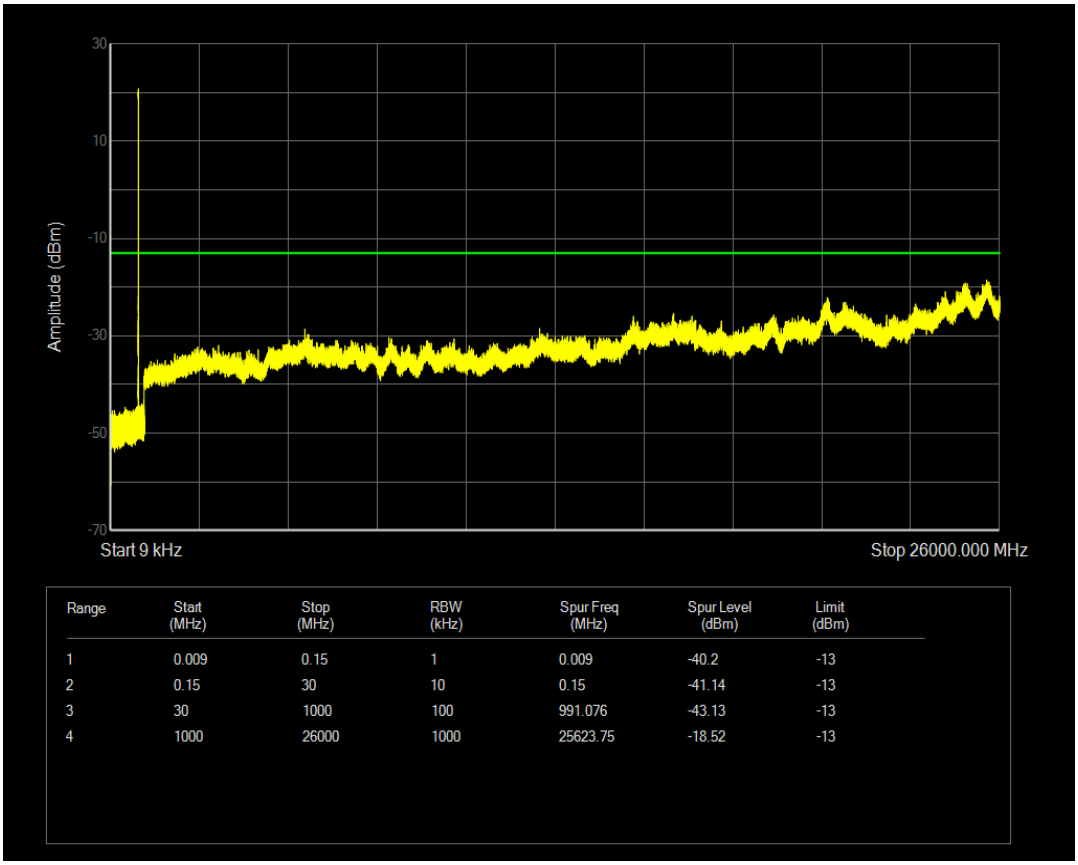
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109176	-40.45	-13
2	0.15	30	10	0.15074625	-40.36	-13
3	30	1000	100	754.881	-43.21	-13
4	1000	26000	1000	25735.625	-17.48	-13

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



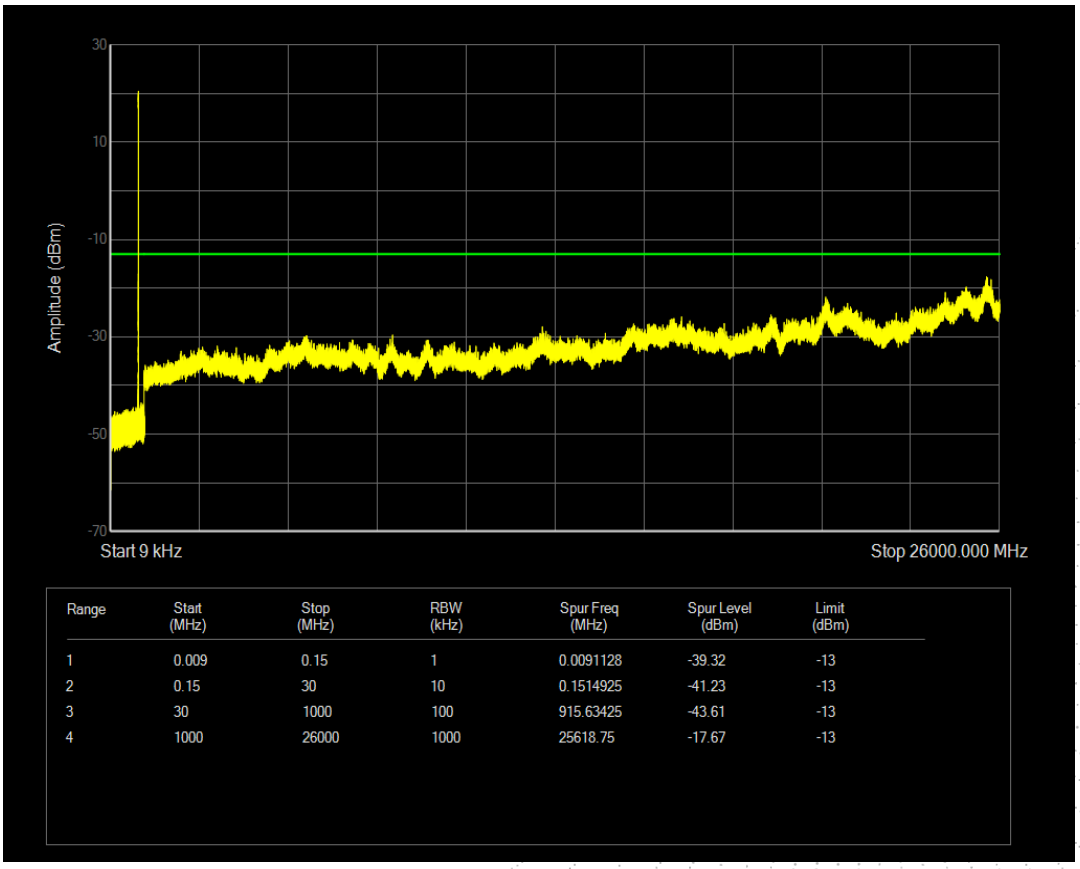
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099165	-39.82	-13
2	0.15	30	10	0.1514925	-41.26	-13
3	30	1000	100	857.216	-44.16	-13
4	1000	26000	1000	25634.375	-18.21	-13

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



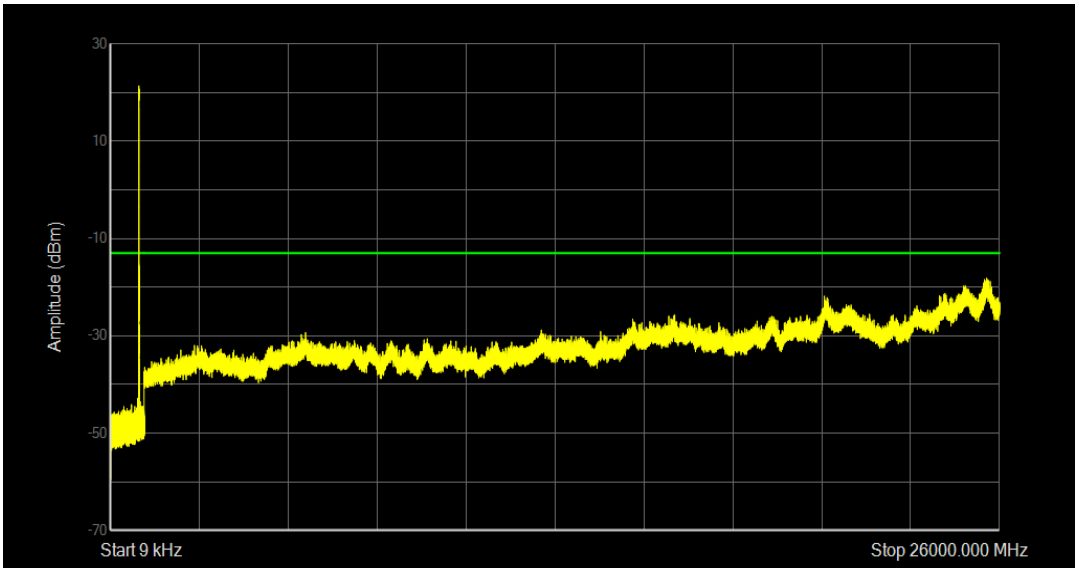
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-40.2	-13
2	0.15	30	10	0.15	-41.14	-13
3	30	1000	100	991.076	-43.13	-13
4	1000	26000	1000	25623.75	-18.52	-13

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



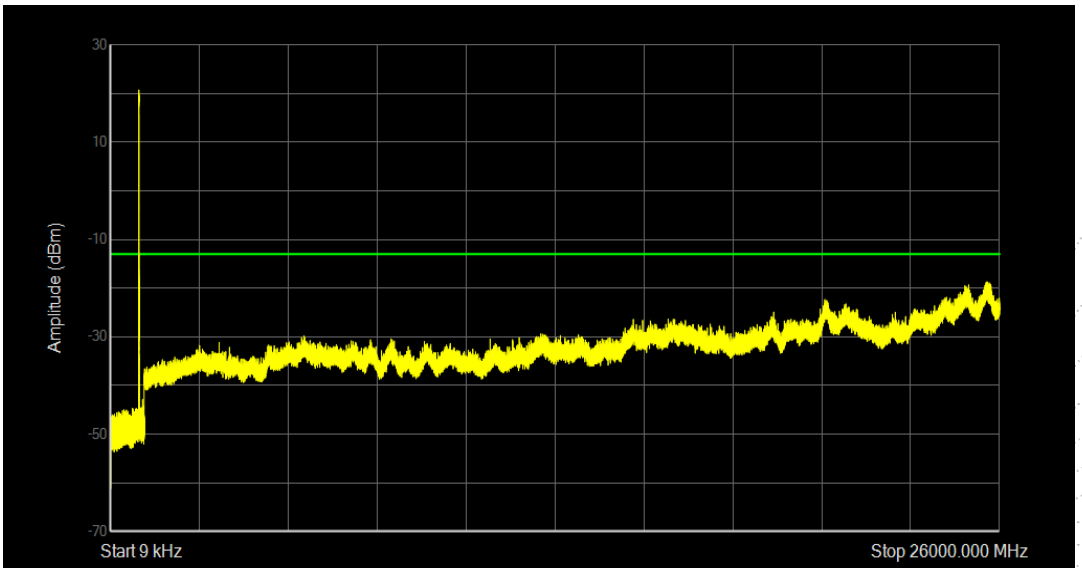
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091128	-39.32	-13
2	0.15	30	10	0.1514925	-41.23	-13
3	30	1000	100	915.63425	-43.61	-13
4	1000	26000	1000	25618.75	-17.67	-13

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



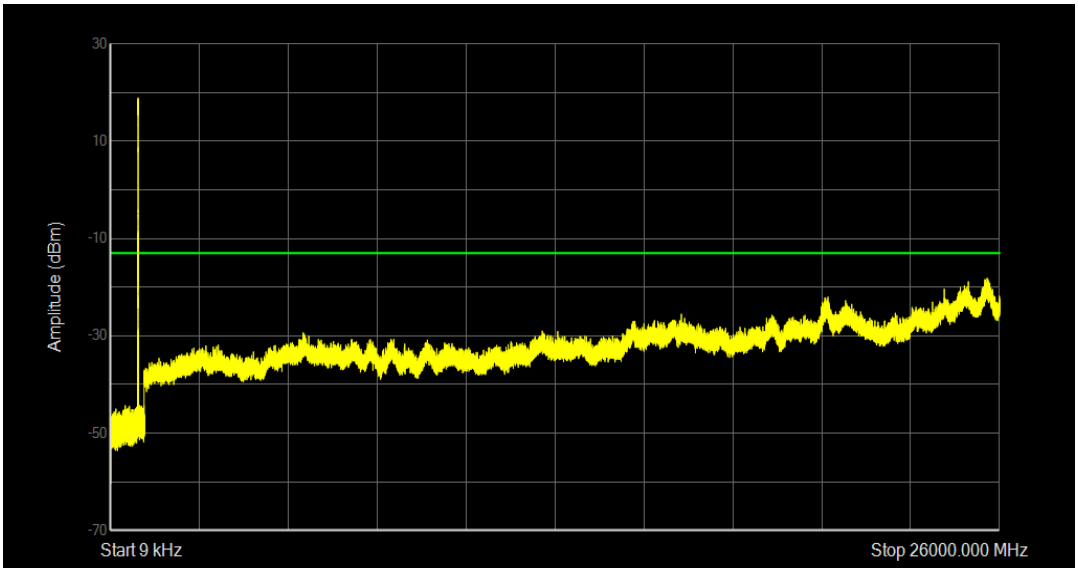
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00943005	-40.11	-13
2	0.15	30	10	0.15970125	-41.06	-13
3	30	1000	100	811.40775	-42.83	-13
4	1000	26000	1000	25622.5	-18.16	-13

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



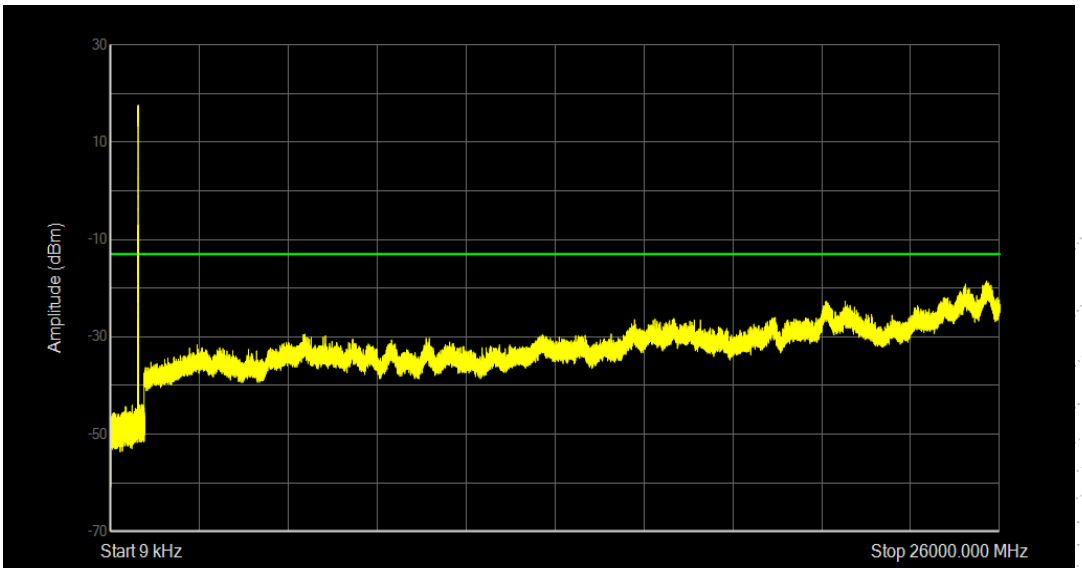
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-38.49	-13
2	0.15	30	10	0.1514925	-40.13	-13
3	30	1000	100	957.1745	-42.91	-13
4	1000	26000	1000	25629.375	-18.71	-13

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



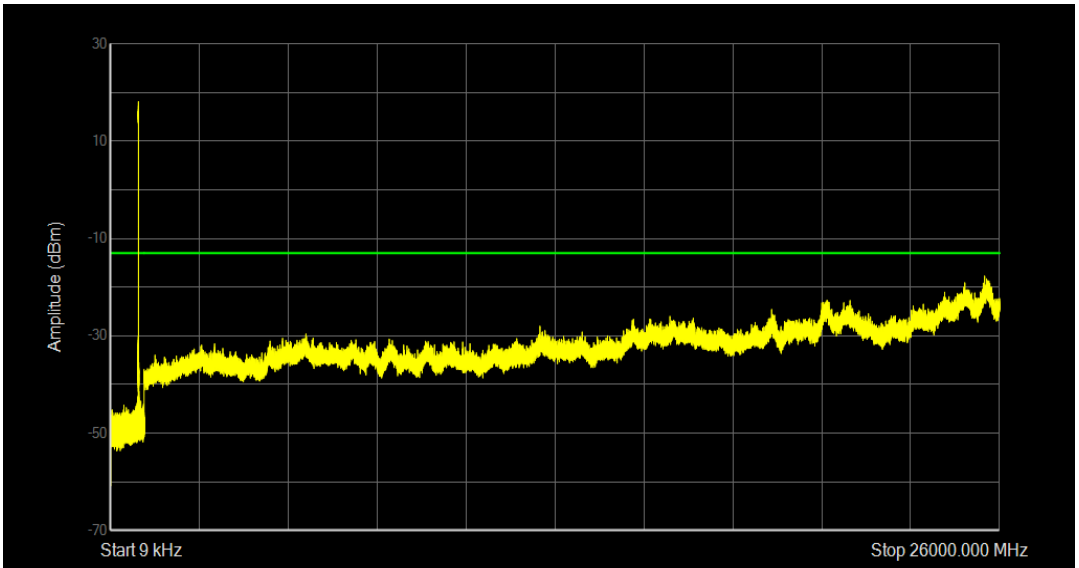
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011132625	-39.93	-13
2	0.15	30	10	0.15	-41.33	-13
3	30	1000	100	447.56075	-44.33	-13
4	1000	26000	1000	25635.625	-18.18	-13

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



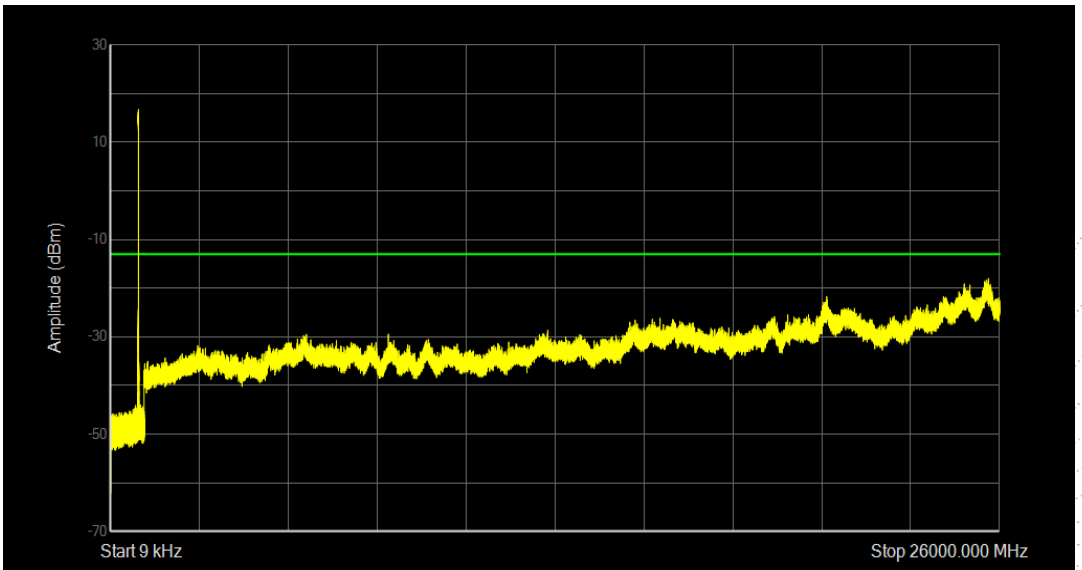
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-37.68	-13
2	0.15	30	10	0.152985	-40.31	-13
3	30	1000	100	924.89775	-43.89	-13
4	1000	26000	1000	25620	-18.52	-13

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



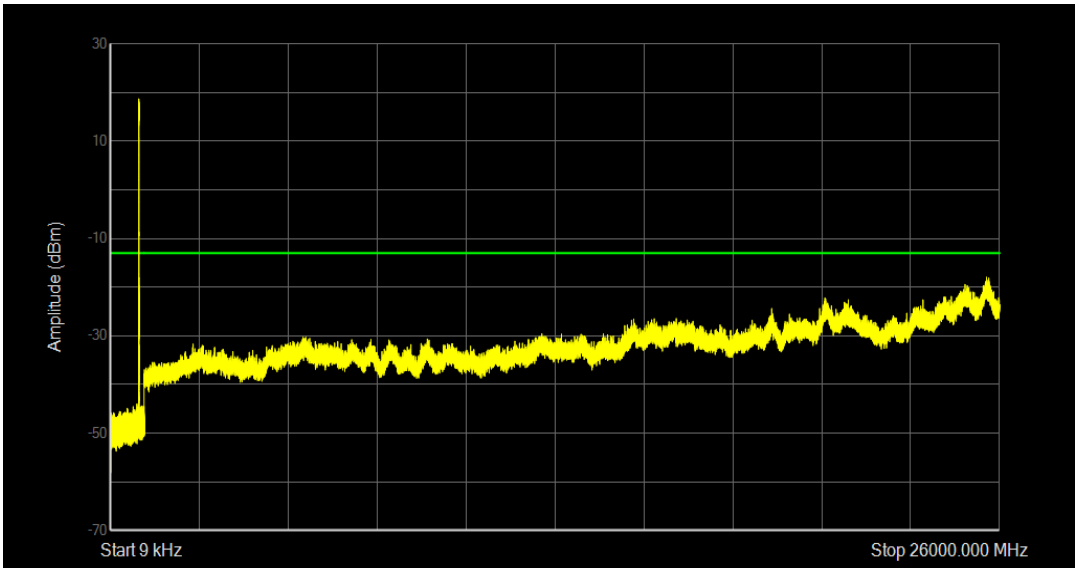
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096063	-40.62	-13
2	0.15	30	10	0.1574625	-39.61	-13
3	30	1000	100	905.4735	-43.42	-13
4	1000	26000	1000	25563.125	-17.72	-13

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



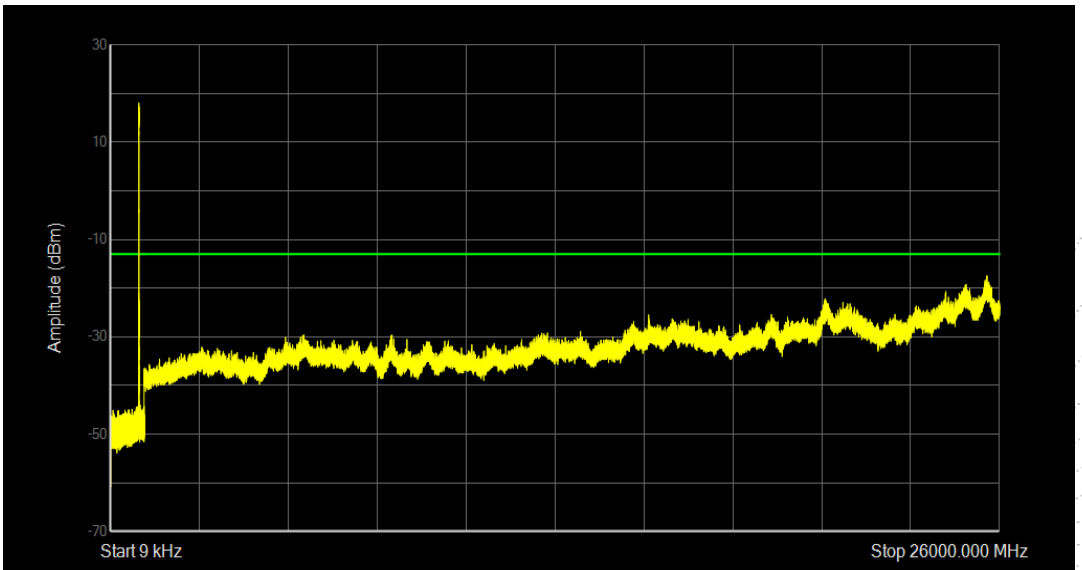
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009846	-40.77	-13
2	0.15	30	10	0.15373125	-41.15	-13
3	30	1000	100	899.72625	-43.99	-13
4	1000	26000	1000	25675.625	-18	-13

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



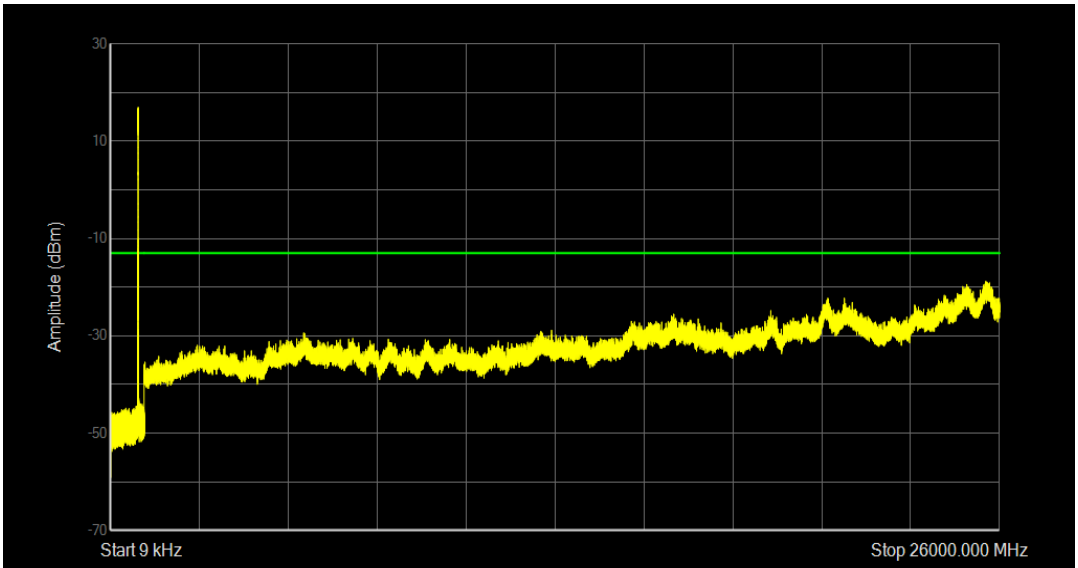
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103536	-40.64	-13
2	0.15	30	10	0.16268625	-41.65	-13
3	30	1000	100	789.58275	-44.01	-13
4	1000	26000	1000	25618.125	-17.96	-13

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



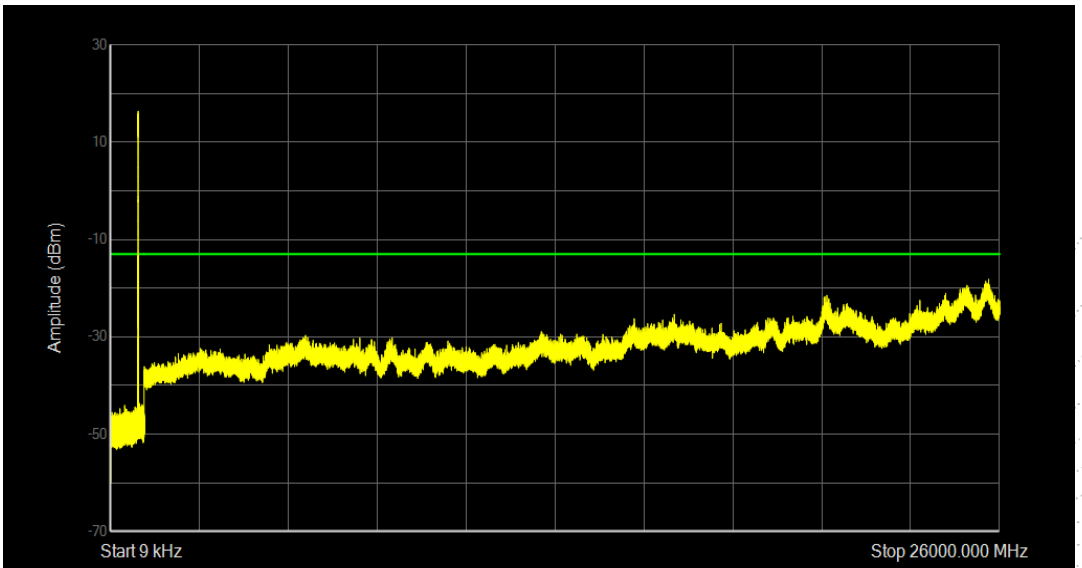
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00923265	-39.63	-13
2	0.15	30	10	0.1574625	-42.44	-13
3	30	1000	100	886.82525	-44.06	-13
4	1000	26000	1000	25635.625	-17.5	-13

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



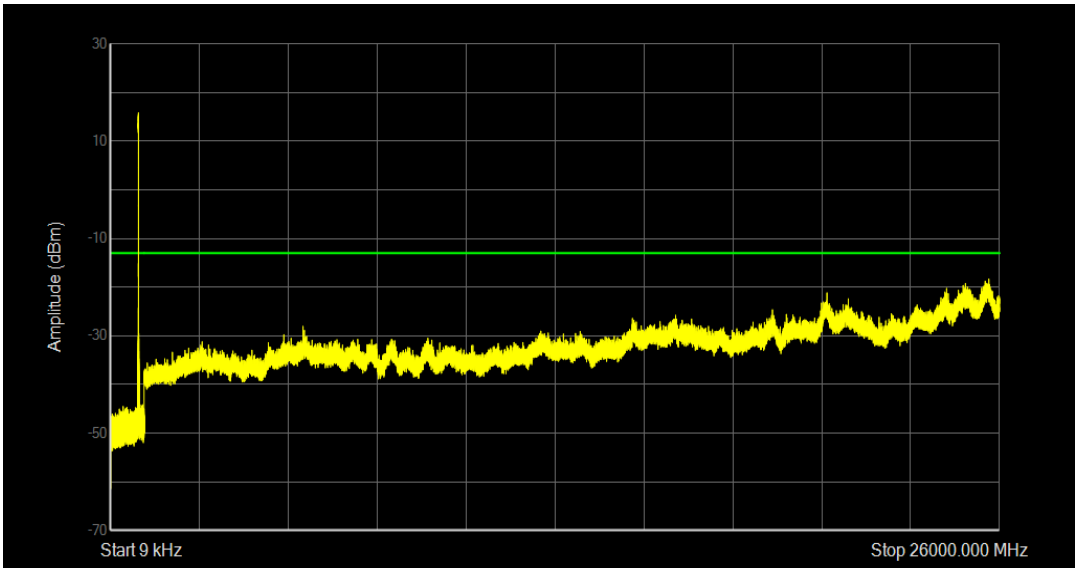
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012084375	-39.52	-13
2	0.15	30	10	0.15597	-41.34	-13
3	30	1000	100	898.3925	-43.96	-13
4	1000	26000	1000	25588.75	-18.83	-13

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



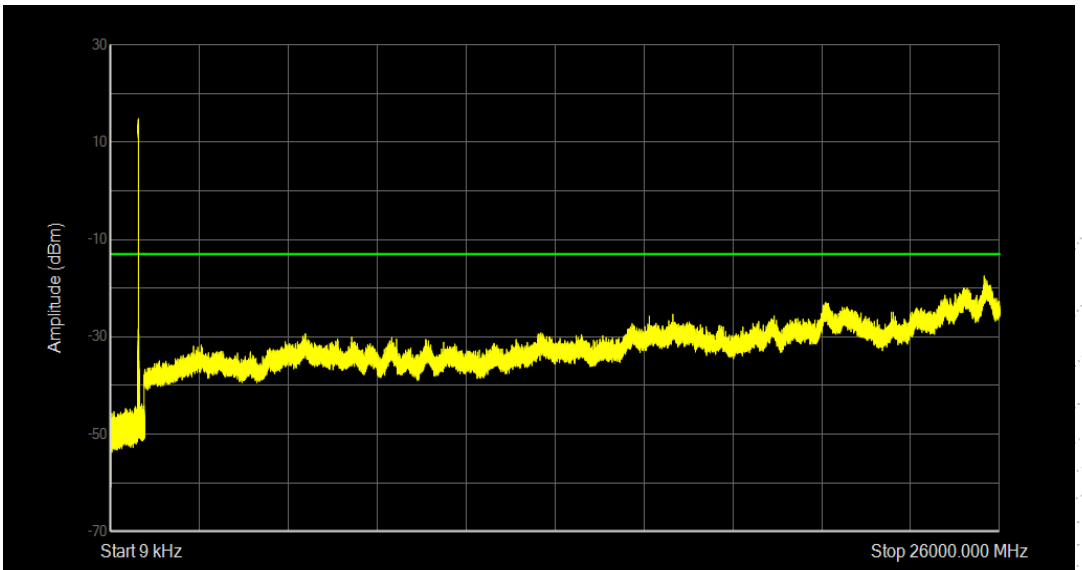
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009109275	-38.7	-13
2	0.15	30	10	0.15	-41.93	-13
3	30	1000	100	869.147	-43.71	-13
4	1000	26000	1000	25678.75	-18.19	-13

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



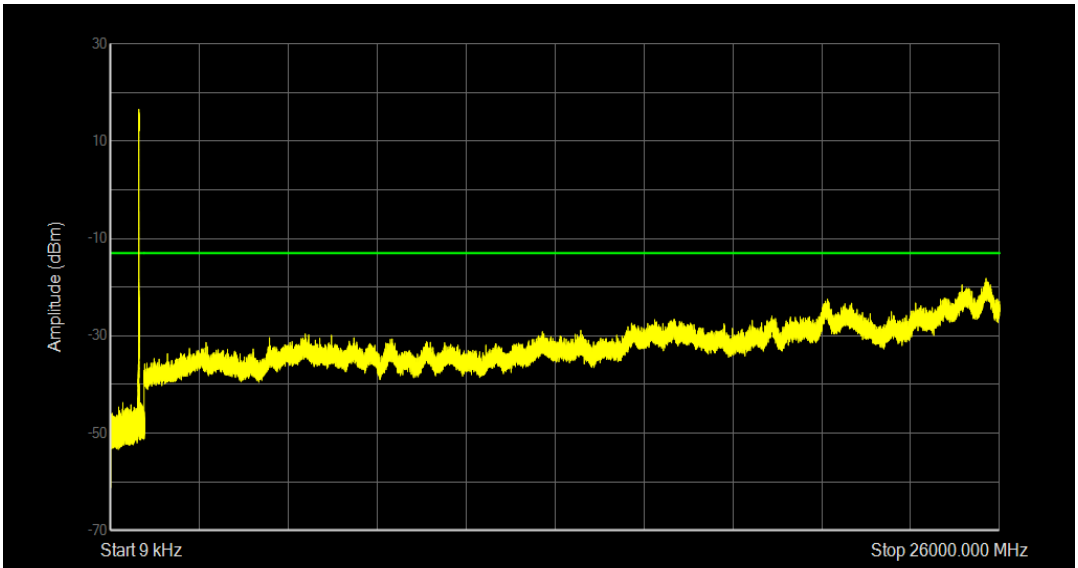
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00964155	-39.78	-13
2	0.15	30	10	0.15820875	-40.91	-13
3	30	1000	100	883.212	-44.16	-13
4	1000	26000	1000	25686.25	-18.35	-13

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



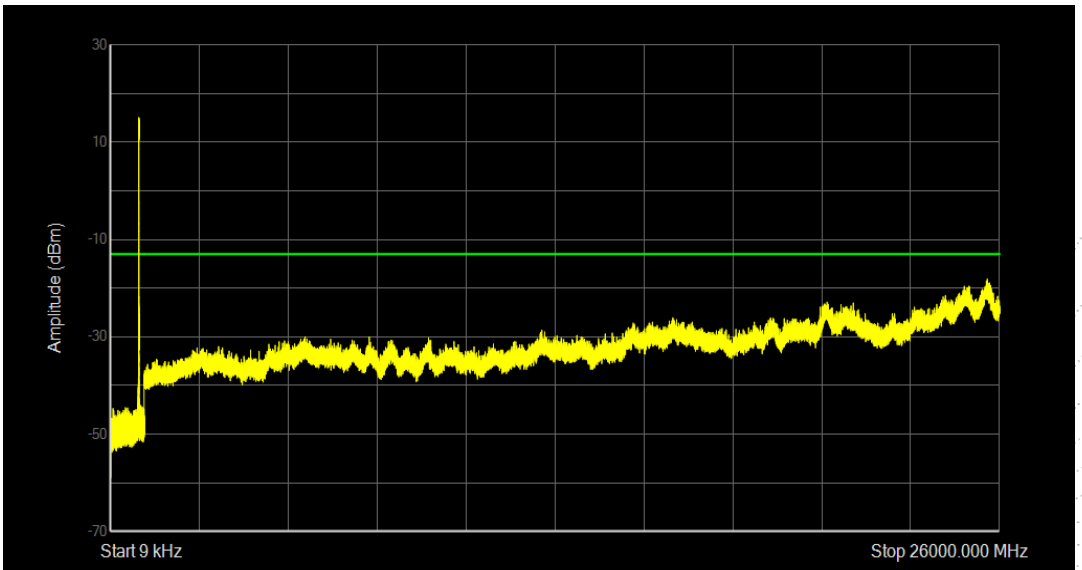
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009348975	-38.87	-13
2	0.15	30	10	0.1574625	-41.67	-13
3	30	1000	100	930.32975	-43.8	-13
4	1000	26000	1000	25550	-17.47	-13

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



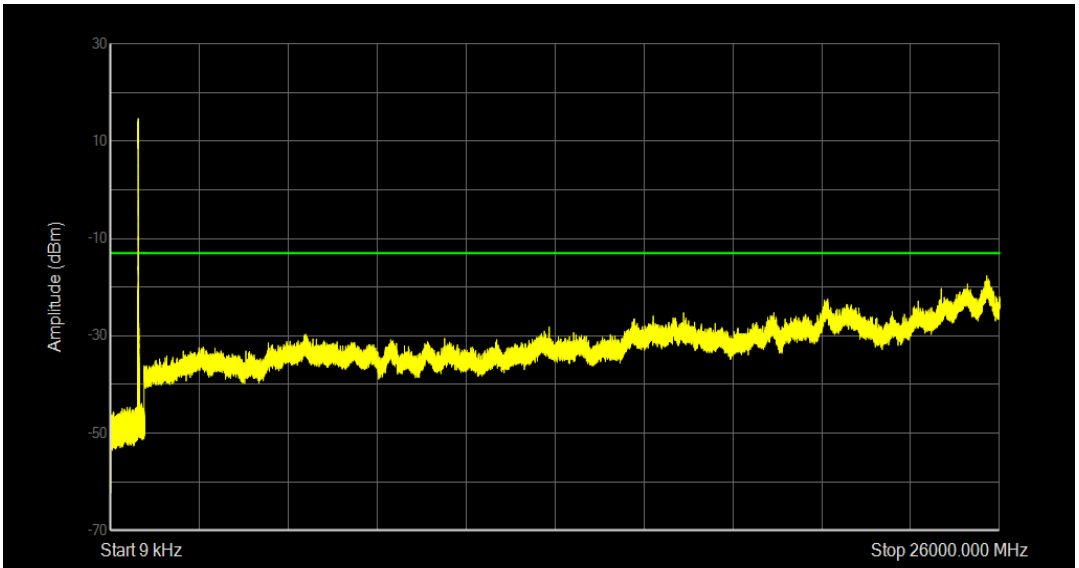
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010265475	-39.83	-13
2	0.15	30	10	0.15074625	-41.15	-13
3	30	1000	100	382.1585	-43.7	-13
4	1000	26000	1000	25605	-18.21	-13

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



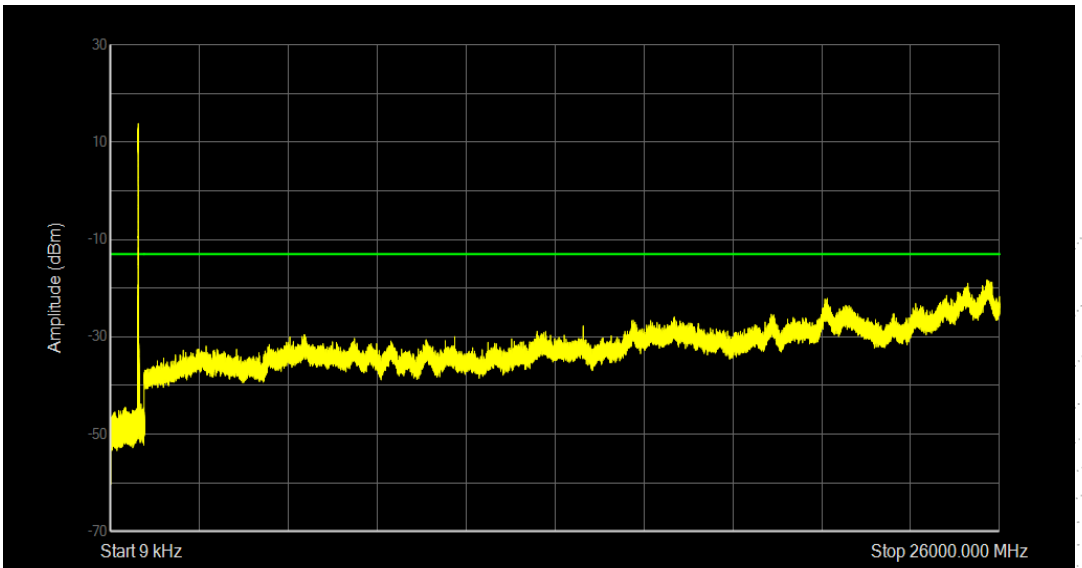
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00906345	-39.59	-13
2	0.15	30	10	0.15820875	-40.16	-13
3	30	1000	100	874.87	-43.91	-13
4	1000	26000	1000	25640.625	-18.12	-13

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



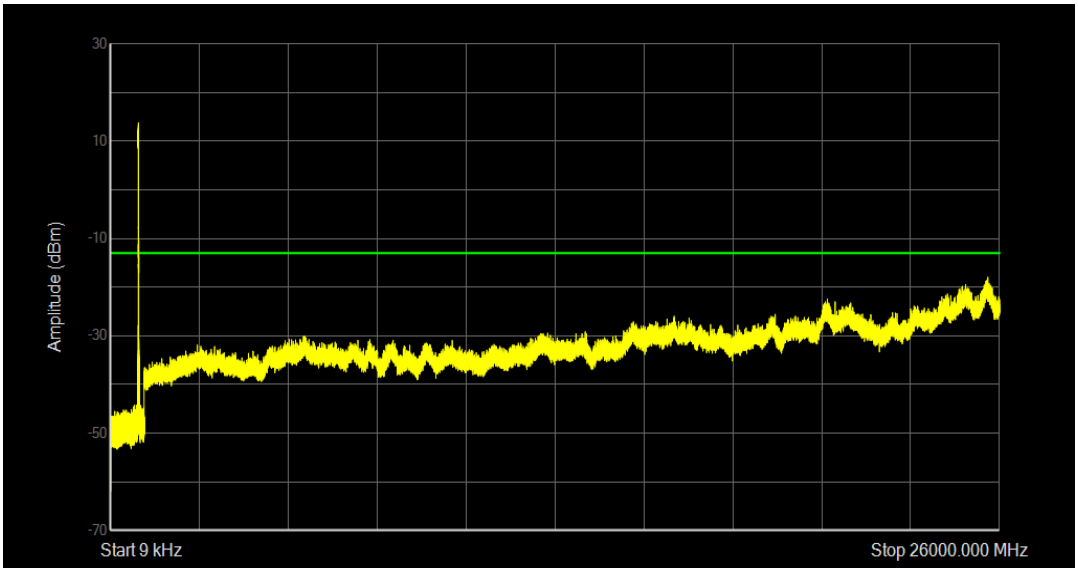
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011538	-40.23	-13
2	0.15	30	10	0.1514925	-41.51	-13
3	30	1000	100	926.086	-43.9	-13
4	1000	26000	1000	25626.25	-17.65	-13

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



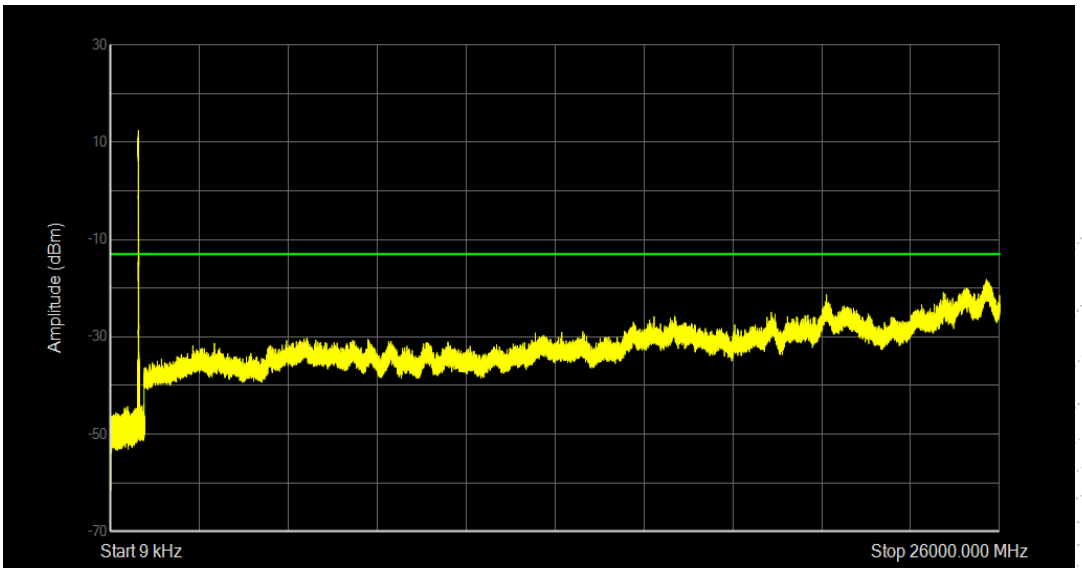
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0139632	-40.47	-13
2	0.15	30	10	0.16194	-41.66	-13
3	30	1000	100	911.2935	-43.8	-13
4	1000	26000	1000	25625	-18.36	-13

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



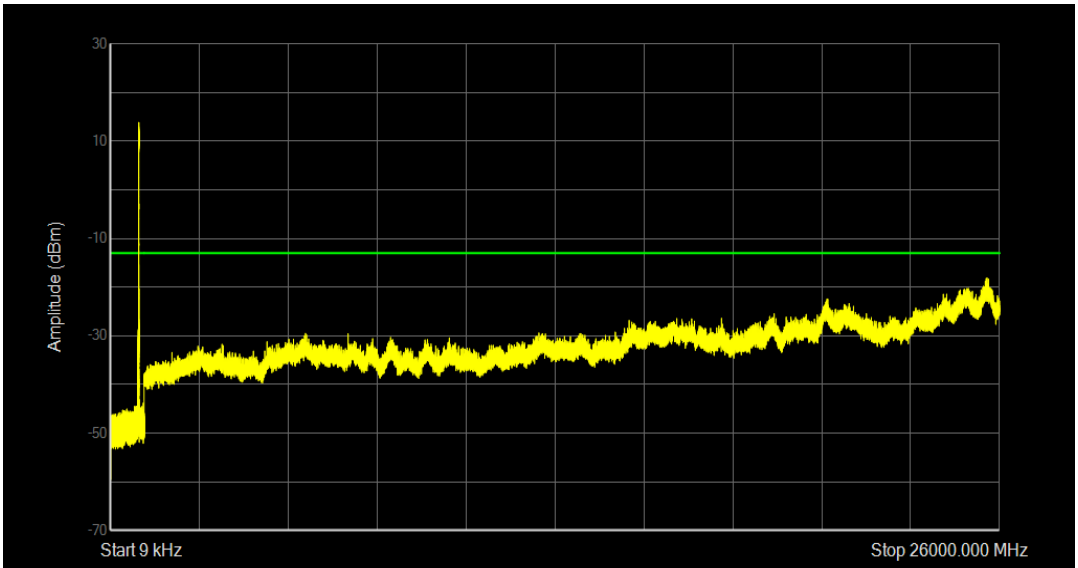
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009341925	-39.46	-13
2	0.15	30	10	0.16268625	-41.81	-13
3	30	1000	100	772.729	-44.23	-13
4	1000	26000	1000	25656.25	-17.96	-13

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



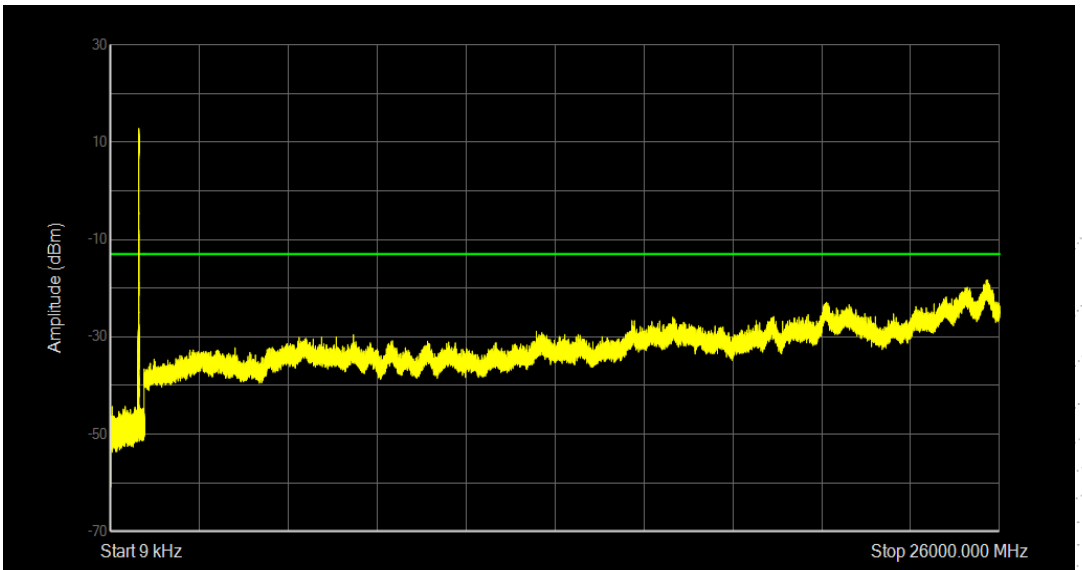
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.63	-13
2	0.15	30	10	0.15	-40.3	-13
3	30	1000	100	990.37275	-43.9	-13
4	1000	26000	1000	25613.125	-18.21	-13

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	0.00931725	-39.55	-13
2	0.15	30	10	0.1574625	-41.44	-13
3	30	1000	100	977.27775	-43.84	-13
4	1000	26000	1000	25635	-18.1	-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	0.011160825	-38.87	-13
2	0.15	30	10	0.15	-39.17	-13
3	30	1000	100	448.458	-44.32	-13
4	1000	26000	1000	25653.75	-18.34	-13