Appendix for Band 7

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)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	20.12	0.89	21.01	PASS
Band7	5	20775	1	#Mid	QPSK	0.00	0.89	0.89	PASS
Band7	5	20775	1	#Max	QPSK	20.20	0.89	21.09	PASS
Band7	5	20775	12	#0	QPSK	19.23	0.89	20.12	PASS
Band7	5	20775	12	#Mid	QPSK	19.24	0.89	20.13	PASS
Band7	5	20775	12	#Max	QPSK	19.22	0.89	20.11	PASS
Band7	5	20775	25	#0	QPSK	19.18	0.89	20.07	PASS
Band7	5	20775	1	#0	16QAM	19.41	0.89	20.30	PASS
Band7	5	20775	1	#Mid	16QAM	19.54	0.89	20.43	PASS
Band7	5	20775	1	#Max	16QAM	19.91	0.89	20.80	PASS
Band7	5	20775	12	#0	16QAM	18.17	0.89	19.06	PASS
Band7	5	20775	12	#Mid	16QAM	18.09	0.89	18.98	PASS
Band7	5	20775	12	#Max	16QAM	18.19	0.89	19.08	PASS
Band7	5	20775	25	#0	16QAM	18.35	0.89	19.24	PASS
Band7	5	21100	1	#0	QPSK	18.25	0.89	19.14	PASS
Band7	5	21100	1	#Mid	QPSK	18.35	0.89	19.24	PASS
Band7	5	21100	1	#Max	QPSK	18.65	0.89	19.54	PASS
Band7	5	21100	12	#0	QPSK	18.80	0.89	19.69	PASS
Band7	5	21100	12	#Mid	QPSK	18.89	0.89	19.78	PASS
Band7	5	21100	12	#Max	QPSK	18.97	0.89	19.86	PASS
Band7	5	21100	25	#0	QPSK	18.91	0.89	19.80	PASS
Band7	5	21100	1	#0	16QAM	17.85	0.89	18.74	PASS
Band7	5	21100	1	#Mid	16QAM	17.65	0.89	18.54	PASS
Band7	5	21100	1	#Max	16QAM	17.75	0.89	18.64	PASS
Band7	5	21100	12	#0	16QAM	17.92	0.89	18.81	PASS
Band7	5	21100	12	#Mid	16QAM	17.97	0.89	18.86	PASS
Band7	5	21100	12	#Max	16QAM	17.97	0.89	18.86	PASS
Band7	5	21100	25	#0	16QAM	18.08	0.89	18.97	PASS
Band7	5	21425	1	#0	QPSK	18.02	0.89	18.91	PASS
Band7	5	21425	1	#Mid	QPSK	18.06	0.89	18.95	PASS
Band7	5	21425	1	#Max	QPSK	18.17	0.89	19.06	PASS
Band7	5	21425	12	#0	QPSK	18.22	0.89	19.11	PASS
Band7	5	21425	12	#Mid	QPSK	18.10	0.89	18.99	PASS
Band7	5	21425	12	#Max	QPSK	18.17	0.89	19.06	PASS
Band7	5	21425	25	#0	QPSK	18.10	0.89	18.99	PASS
Band7	5	21425	1	#0	16QAM	18.70	0.89	19.59	PASS

Band7	5	21425	1	#Mid	16QAM	18.64	0.89	19.53	PASS
Band7	5	21425	1	#Max	16QAM	18.18	0.89	19.07	PASS
Band7	5	21425	12	#0	16QAM	17.06	0.89	17.95	PASS
Band7	5	21425	12	#Mid	16QAM	17.06	0.89	17.95	PASS
Band7	5	21425	12	#Max	16QAM	17.11	0.89	18.00	PASS
Band7	5	21425	25	#0	16QAM	17.34	0.89	18.23	PASS
Band7	10	20800	1	#0	QPSK	19.00	0.89	19.89	PASS
Band7	10	20800	1	#Mid	QPSK	20.26	0.89	21.15	PASS
Band7	10	20800	1	#Max	QPSK	20.14	0.89	21.03	PASS
Band7	10	20800	25	#0	QPSK	19.21	0.89	20.10	PASS
Band7	10	20800	25	#Mid	QPSK	19.19	0.89	20.08	PASS
Band7	10	20800	25	#Max	QPSK	19.31	0.89	20.20	PASS
Band7	10	20800	50	#0	QPSK	19.26	0.89	20.15	PASS
Band7	10	20800	1	#0	16QAM	20.00	0.89	20.89	PASS
Band7	10	20800	1	#Mid	16QAM	20.88	0.89	21.77	PASS
Band7	10	20800	1	#Max	16QAM	20.91	0.89	21.80	PASS
Band7	10	20800	25	#0	16QAM	18.15	0.89	19.04	PASS
Band7	10	20800	25	#Mid	16QAM	18.22	0.89	19.11	PASS
Band7	10	20800	25	#Max	16QAM	18.22	0.89	19.11	PASS
Band7	10	20800	50	#0	16QAM	18.27	0.89	19.16	PASS
Band7	10	21100	1	#0	QPSK	18.00	0.89	18.89	PASS
Band7	10	21100	1	#Mid	QPSK	19.71	0.89	20.60	PASS
Band7	10	21100	1	#Max	QPSK	18.01	0.89	18.90	PASS
Band7	10	21100	25	#0	QPSK	18.75	0.89	19.64	PASS
Band7	10	21100	25	#Mid	QPSK	18.75	0.89	19.64	PASS
Band7	10	21100	25	#Max	QPSK	18.94	0.89	19.83	PASS
Band7	10	21100	50	#0	QPSK	18.84	0.89	19.73	PASS
Band7	10	21100	1	#0	16QAM	19.29	0.89	20.18	PASS
Band7	10	21100	1	#Mid	16QAM	19.35	0.89	20.24	PASS
Band7	10	21100	1	#Max	16QAM	19.56	0.89	20.45	PASS
Band7	10	21100	25	#0	16QAM	17.88	0.89	18.77	PASS
Band7	10	21100	25	#Mid	16QAM	18.00	0.89	18.89	PASS
Band7	10	21100	25	#Max	16QAM	18.06	0.89	18.95	PASS
Band7	10	21100	50	#0	16QAM	18.03	0.89	18.92	PASS
Band7	10	21400	1	#0	QPSK	19.31	0.89	20.20	PASS
Band7	10	21400	1	#Mid	QPSK	19.15	0.89	20.04	PASS
Band7	10	21400	1	#Max	QPSK	19.00	0.89	19.89	PASS
Band7	10	21400	25	#0	QPSK	18.28	0.89	19.17	PASS
Band7	10	21400	25	#Mid	QPSK	18.18	0.89	19.07	PASS
Band7	10	21400	25	#Max	QPSK	18.16	0.89	19.05	PASS
Band7	10	21400	50	#0	QPSK	18.20	0.89	19.09	PASS
Band7	10	21400	1	#0	16QAM	19.22	0.89	20.11	PASS
Band7	10	21400	1	#Mid	16QAM	18.68	0.89	19.57	PASS

Band7	10	21400	1	#Max	16QAM	17.00	0.89	17.89	PASS
Band7	10	21400	25	#0	16QAM	17.36	0.89	18.25	PASS
Band7	10	21400	25	#Mid	16QAM	17.41	0.89	18.30	PASS
Band7	10	21400	25	#Max	16QAM	17.28	0.89	18.17	PASS
Band7	10	21400	50	#0	16QAM	17.29	0.89	18.18	PASS
Band7	15	20825	1	#0	QPSK	19.00	0.89	19.89	PASS
Band7	15	20825	1	#Mid	QPSK	20.23	0.89	21.12	PASS
Band7	15	20825	1	#Max	QPSK	19.97	0.89	20.86	PASS
Band7	15	20825	36	#0	QPSK	19.15	0.89	20.04	PASS
Band7	15	20825	36	#Mid	QPSK	19.20	0.89	20.09	PASS
Band7	15	20825	36	#Max	QPSK	19.05	0.89	19.94	PASS
Band7	15	20825	75	#0	QPSK	19.23	0.89	20.12	PASS
Band7	15	20825	1	#0	16QAM	20.00	0.89	20.89	PASS
Band7	15	20825	1	#Mid	16QAM	20.88	0.89	21.77	PASS
Band7	15	20825	1	#Max	16QAM	20.71	0.89	21.60	PASS
Band7	15	20825	36	#0	16QAM	18.37	0.89	19.26	PASS
Band7	15	20825	36	#Mid	16QAM	18.34	0.89	19.23	PASS
Band7	15	20825	36	#Max	16QAM	18.34	0.89	19.23	PASS
Band7	15	20825	75	#0	16QAM	18.28	0.89	19.17	PASS
Band7	15	21100	1	#0	QPSK	18.02	0.89	18.91	PASS
Band7	15	21100	1	#Mid	QPSK	18.06	0.89	18.95	PASS
Band7	15	21100	1	#Max	QPSK	18.1	0.89	18.99	PASS
Band7	15	21100	36	#0	QPSK	18.75	0.89	19.64	PASS
Band7	15	21100	36	#Mid	QPSK	18.82	0.89	19.71	PASS
Band7	15	21100	36	#Max	QPSK	18.94	0.89	19.83	PASS
Band7	15	21100	75	#0	QPSK	18.92	0.89	19.81	PASS
Band7	15	21100	1	#0	16QAM	19.38	0.89	20.27	PASS
Band7	15	21100	1	#Mid	16QAM	19.30	0.89	20.19	PASS
Band7	15	21100	1	#Max	16QAM	19.61	0.89	20.50	PASS
Band7	15	21100	36	#0	16QAM	18.02	0.89	18.91	PASS
Band7	15	21100	36	#Mid	16QAM	18.05	0.89	18.94	PASS
Band7	15	21100	36	#Max	16QAM	18.11	0.89	19.00	PASS
Band7	15	21100	75	#0	16QAM	17.89	0.89	18.78	PASS
Band7	15	21375	1	#0	QPSK	19.60	0.89	20.49	PASS
Band7	15	21375	1	#Mid	QPSK	19.27	0.89	20.16	PASS
Band7	15	21375	1	#Max	QPSK	19.00	0.89	19.89	PASS
Band7	15	21375	36	#0	QPSK	18.42	0.89	19.31	PASS
Band7	15	21375	36	#Mid	QPSK	18.18	0.89	19.07	PASS
Band7	15	21375	36	#Max	QPSK	18.06	0.89	18.95	PASS
Band7	15	21375	75	#0	QPSK	18.27	0.89	19.16	PASS
Band7	15	21375	1	#0	16QAM	19.94	0.89	20.83	PASS
Band7	15	21375	1	#Mid	16QAM	19.58	0.89	20.47	PASS
Band7	15	21375	1	#Max	16QAM	19.00	0.89	19.89	PASS

Band7	15	21375	36	#0	16QAM	17.53	0.89	18.42	PASS
Band7	15	21375	36	#Mid	16QAM	17.35	0.89	18.24	PASS
Band7	15	21375	36	#Max	16QAM	17.25	0.89	18.14	PASS
Band7	15	21375	75	#0	16QAM	17.47	0.89	18.36	PASS
Band7	20	20850	1	#0	QPSK	20.00	0.89	20.89	PASS
Band7	20	20850	1	#Mid	QPSK	20.13	0.89	21.02	PASS
Band7	20	20850	1	#Max	QPSK	19.93	0.89	20.82	PASS
Band7	20	20850	50	#0	QPSK	19.21	0.89	20.10	PASS
Band7	20	20850	50	#Mid	QPSK	19.25	0.89	20.14	PASS
Band7	20	20850	50	#Max	QPSK	18.97	0.89	19.86	PASS
Band7	20	20850	100	#0	QPSK	19.20	0.89	20.09	PASS
Band7	20	20850	1	#0	16QAM	19.00	0.89	19.89	PASS
Band7	20	20850	1	#Mid	16QAM	19.96	0.89	20.85	PASS
Band7	20	20850	1	#Max	16QAM	19.67	0.89	20.56	PASS
Band7	20	20850	50	#0	16QAM	18.30	0.89	19.19	PASS
Band7	20	20850	50	#Mid	16QAM	18.38	0.89	19.27	PASS
Band7	20	20850	50	#Max	16QAM	18.19	0.89	19.08	PASS
Band7	20	20850	100	#0	16QAM	18.27	0.89	19.16	PASS
Band7	20	21100	1	#0	QPSK	18.00	0.89	18.89	PASS
Band7	20	21100	1	#Mid	QPSK	19.84	0.89	20.73	PASS
Band7	20	21100	1	#Max	QPSK	20.45	0.89	21.34	PASS
Band7	20	21100	50	#0	QPSK	18.85	0.89	19.74	PASS
Band7	20	21100	50	#Mid	QPSK	18.96	0.89	19.85	PASS
Band7	20	21100	50	#Max	QPSK	18.95	0.89	19.84	PASS
Band7	20	21100	100	#0	QPSK	18.96	0.89	19.85	PASS
Band7	20	21100	1	#0	16QAM	19.00	0.89	19.89	PASS
Band7	20	21100	1	#Mid	16QAM	19.41	0.89	20.30	PASS
Band7	20	21100	1	#Max	16QAM	19.84	0.89	20.73	PASS
Band7	20	21100	50	#0	16QAM	17.84	0.89	18.73	PASS
Band7	20	21100	50	#Mid	16QAM	17.99	0.89	18.88	PASS
Band7	20	21100	50	#Max	16QAM	18.08	0.89	18.97	PASS
Band7	20	21100	100	#0	16QAM	17.88	0.89	18.77	PASS
Band7	20	21350	1	#0	QPSK	19.83	0.89	20.72	PASS
Band7	20	21350	1	#Mid	QPSK	19.42	0.89	20.31	PASS
Band7	20	21350	1	#Max	QPSK	18.00	0.89	18.89	PASS
Band7	20	21350	50	#0	QPSK	18.56	0.89	19.45	PASS
Band7	20	21350	50	#Mid	QPSK	18.41	0.89	19.30	PASS
Band7	20	21350	50	#Max	QPSK	18.21	0.89	19.10	PASS
Band7	20	21350	100	#0	QPSK	18.49	0.89	19.38	PASS
Band7	20	21350	1	#0	16QAM	18.00	0.89	18.89	PASS
Band7	20	21350	1	#Mid	16QAM	18.81	0.89	19.70	PASS
Band7	20	21350	1	#Max	16QAM	18.02	0.89	18.91	PASS
Band7	20	21350	50	#0	16QAM	17.71	0.89	18.60	PASS

Band7	20	21350	50	#Mid	16QAM	17.56	0.89	18.45	PASS
Band7	20	21350	50	#Max	16QAM	17.40	0.89	18.29	PASS
Band7	20	21350	100	#0	16QAM	17.63	0.89	18.52	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band7	5	20775	25	#0	QPSK	LV	NT	-5.61	-0.002	PASS
Band7	5	20775	25	#0	QPSK	NV	NT	-8.48	-0.003	PASS
Band7	5	20775	25	#0	QPSK	HV	NT	-14.38	-0.006	PASS
Band7	5	20775	25	#0	16QAM	LV	NT	-22.14	-0.009	PASS
Band7	5	20775	25	#0	16QAM	NV	NT	-27.71	-0.011	PASS
Band7	5	20775	25	#0	16QAM	HV	NT	-33.37	-0.013	PASS
Band7	5	21100	25	#0	QPSK	LV	NT	-43.77	-0.017	PASS
Band7	5	21100	25	#0	QPSK	NV	NT	6.84	0.003	PASS
Band7	5	21100	25	#0	QPSK	HV	NT	-8.25	-0.003	PASS
Band7	5	21100	25	#0	16QAM	LV	NT	-19.83	-0.008	PASS
Band7	5	21100	25	#0	16QAM	NV	NT	-26.65	-0.011	PASS
Band7	5	21100	25	#0	16QAM	HV	NT	-37.68	-0.015	PASS
Band7	5	21425	25	#0	QPSK	LV	NT	-15.45	-0.006	PASS
Band7	5	21425	25	#0	QPSK	NV	NT	-18.32	-0.007	PASS
Band7	5	21425	25	#0	QPSK	HV	NT	-24.19	-0.009	PASS
Band7	5	21425	25	#0	16QAM	LV	NT	-24.22	-0.009	PASS
Band7	5	21425	25	#0	16QAM	NV	NT	-26.81	-0.010	PASS
Band7	5	21425	25	#0	16QAM	HV	NT	-27.94	-0.011	PASS
Band7	10	20800	50	#0	QPSK	LV	NT	9.97	0.004	PASS
Band7	10	20800	50	#0	QPSK	NV	NT	10.60	0.004	PASS
Band7	10	20800	50	#0	QPSK	HV	NT	4.96	0.002	PASS
Band7	10	20800	50	#0	16QAM	LV	NT	3.63	0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	NT	-0.90	0.000	PASS
Band7	10	20800	50	#0	16QAM	HV	NT	-1.27	-0.001	PASS
Band7	10	21100	50	#0	QPSK	LV	NT	-26.54	-0.010	PASS
Band7	10	21100	50	#0	QPSK	NV	NT	-2.19	-0.001	PASS
Band7	10	21100	50	#0	QPSK	HV	NT	-6.39	-0.003	PASS
Band7	10	21100	50	#0	16QAM	LV	NT	-16.31	-0.006	PASS
Band7	10	21100	50	#0	16QAM	NV	NT	-26.54	-0.010	PASS
Band7	10	21100	50	#0	16QAM	HV	NT	-37.92	-0.015	PASS
Band7	10	21400	50	#0	QPSK	LV	NT	-13.30	-0.005	PASS
Band7	10	21400	50	#0	QPSK	NV	NT	-21.80	-0.008	PASS
Band7	10	21400	50	#0	QPSK	HV	NT	-26.58	-0.010	PASS
Band7	10	21400	50	#0	16QAM	LV	NT	-26.51	-0.010	PASS
Band7	10	21400	50	#0	16QAM	NV	NT	-23.36	-0.009	PASS
Band7	10	21400	50	#0	16QAM	HV	NT	-25.52	-0.010	PASS
Band7	15	20825	75	#0	QPSK	LV	NT	9.96	0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	NT	10.17	0.004	PASS

Band7	15	20825	75	#0	QPSK	HV	NT	12.52	0.005	PASS
Band7	15	20825	75	#0	16QAM	LV	NT	11.27	0.004	PASS
Band7	15	20825	75	#0	16QAM	NV	NT	1.40	0.001	PASS
Band7	15	20825	75	#0	16QAM	HV	NT	-3.26	-0.001	PASS
Band7	15	21100	75	#0	QPSK	LV	NT	-22.53	-0.009	PASS
Band7	15	21100	75	#0	QPSK	NV	NT	-30.36	-0.012	PASS
Band7	15	21100	75	#0	QPSK	HV	NT	-11.20	-0.004	PASS
Band7	15	21100	75	#0	16QAM	LV	NT	-26.14	-0.010	PASS
Band7	15	21100	75	#0	16QAM	NV	NT	-36.23	-0.014	PASS
Band7	15	21100	75	#0	16QAM	HV	NT	-45.38	-0.018	PASS
Band7	15	21375	75	#0	QPSK	LV	NT	10.61	0.004	PASS
Band7	15	21375	75	#0	QPSK	NV	NT	6.71	0.003	PASS
Band7	15	21375	75	#0	QPSK	HV	NT	1.16	0.000	PASS
Band7	15	21375	75	#0	16QAM	LV	NT	3.46	0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	NT	2.82	0.001	PASS
Band7	15	21375	75	#0	16QAM	HV	NT	6.32	0.002	PASS
Band7	20	20850	100	#0	QPSK	LV	NT	5.49	0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	NT	4.18	0.002	PASS
Band7	20	20850	100	#0	QPSK	HV	NT	0.27	0.000	PASS
Band7	20	20850	100	#0	16QAM	LV	NT	-1.63	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	NT	0.20	0.000	PASS
Band7	20	20850	100	#0	16QAM	HV	NT	-2.52	-0.001	PASS
Band7	20	21100	100	#0	QPSK	LV	NT	-25.28	-0.010	PASS
Band7	20	21100	100	#0	QPSK	NV	NT	-7.47	-0.003	PASS
Band7	20	21100	100	#0	QPSK	HV	NT	-26.68	-0.011	PASS
Band7	20	21100	100	#0	16QAM	LV	NT	-42.72	-0.017	PASS
Band7	20	21100	100	#0	16QAM	NV	NT	-18.32	-0.007	PASS
Band7	20	21100	100	#0	16QAM	HV	NT	-27.67	-0.011	PASS
Band7	20	21350	100	#0	QPSK	LV	NT	-9.84	-0.004	PASS
Band7	20	21350	100	#0	QPSK	NV	NT	-11.50	-0.004	PASS
Band7	20	21350	100	#0	QPSK	HV	NT	-15.56	-0.006	PASS
Band7	20	21350	100	#0	16QAM	LV	NT	-14.43	-0.006	PASS
Band7	20	21350	100	#0	16QAM	NV	NT	-13.72	-0.005	PASS
Band7	20	21350	100	#0	16QAM	HV	NT	-15.82	-0.006	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band7	5	20775	25	#0	QPSK	NV	-30	-27.11	-0.011	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	-23.46	-0.009	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	-38.91	-0.016	PASS
Band7	5	20775	25	#0	QPSK	NV	0	-5.75	-0.002	PASS
Band7	5	20775	25	#0	QPSK	NV	10	-17.97	-0.007	PASS
Band7	5	20775	25	#0	QPSK	NV	20	-33.20	-0.013	PASS

Band7	5	20775	25	#0	QPSK	NV	30	-49.08	-0.020	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-24.81	-0.010	PASS
Band7	5	20775	25	#0	QPSK	NV	50	-37.84	-0.015	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	10.17	0.004	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	-0.43	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	-9.17	-0.004	PASS
Band7	5	20775	25	#0	16QAM	NV	0	-20.80	-0.008	PASS
Band7	5	20775	25	#0	16QAM	NV	10	-31.89	-0.013	PASS
Band7	5	20775	25	#0	16QAM	NV	20	-38.52	-0.015	PASS
Band7	5	20775	25	#0	16QAM	NV	30	0.00	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band7	5	20775	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-12.07	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	-33.57	-0.013	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	-30.60	-0.012	PASS
Band7	5	21100	25	#0	QPSK	NV	0	0.56	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	10	-21.14	-0.008	PASS
Band7	5	21100	25	#0	QPSK	NV	20	-39.60	-0.016	PASS
Band7	5	21100	25	#0	QPSK	NV	30	-19.27	-0.008	PASS
Band7	5	21100	25	#0	QPSK	NV	40	-40.10	-0.016	PASS
Band7	5	21100	25	#0	QPSK	NV	50	3.96	0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	-11.09	-0.004	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	-27.32	-0.011	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	-38.52	-0.015	PASS
Band7	5	21100	25	#0	16QAM	NV	0	-2.49	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	10	-15.21	-0.006	PASS
Band7	5	21100	25	#0	16QAM	NV	20	-28.24	-0.011	PASS
Band7	5	21100	25	#0	16QAM	NV	30	-40.20	-0.016	PASS
Band7	5	21100	25	#0	16QAM	NV	40	-49.77	-0.020	PASS
Band7	5	21100	25	#0	16QAM	NV	50	-25.39	-0.010	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-7.48	-0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-18.95	-0.007	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	-26.74	-0.010	PASS
Band7	5	21425	25	#0	QPSK	NV	0	-38.52	-0.015	PASS
Band7	5	21425	25	#0	QPSK	NV	10	-11.16	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	20	-22.04	-0.009	PASS
Band7	5	21425	25	#0	QPSK	NV	30	-31.91	-0.012	PASS
Band7	5	21425	25	#0	QPSK	NV	40	-43.97	-0.017	PASS
Band7	5	21425	25	#0	QPSK	NV	50	-45.32	-0.018	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	-24.15	-0.009	PASS
Band7	5	21425	25	#0	16QAM	NV	-20	-30.90	-0.012	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	-36.99	-0.014	PASS
Band7	5	21425	25	#0	16QAM	NV	0	-45.00	-0.018	PASS

Band7	5	21425	25	#0	16QAM	NV	10	-46.96	-0.018	PASS
Band7	5	21425	25	#0	16QAM	NV	20	-19.66	-0.008	PASS
Band7	5	21425	25	#0	16QAM	NV	30	-24.88	-0.010	PASS
Band7	5	21425	25	#0	16QAM	NV	40	-32.07	-0.012	PASS
Band7	5	21425	25	#0	16QAM	NV	50	-38.61	-0.015	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	-25.33	-0.010	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	-34.89	-0.014	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	-36.75	-0.015	PASS
Band7	10	20800	50	#0	QPSK	NV	0	-6.71	-0.003	PASS
Band7	10	20800	50	#0	QPSK	NV	10	-18.37	-0.007	PASS
Band7	10	20800	50	#0	QPSK	NV	20	-28.82	-0.012	PASS
Band7	10	20800	50	#0	QPSK	NV	30	-41.18	-0.016	PASS
Band7	10	20800	50	#0	QPSK	NV	40	-52.20	-0.021	PASS
Band7	10	20800	50	#0	QPSK	NV	50	-24.16	-0.010	PASS
Band7	10	20800	50	#0	16QAM	NV	-30	-31.39	-0.013	PASS
Band7	10	20800	50	#0	16QAM	NV	-20	-37.59	-0.015	PASS
Band7	10	20800	50	#0	16QAM	NV	-10	-46.75	-0.019	PASS
Band7	10	20800	50	#0	16QAM	NV	0	-22.67	-0.009	PASS
Band7	10	20800	50	#0	16QAM	NV	10	-1.52	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	20	-6.28	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	30	-15.78	-0.006	PASS
Band7	10	20800	50	#0	16QAM	NV	40	-25.09	-0.010	PASS
Band7	10	20800	50	#0	16QAM	NV	50	-31.83	-0.013	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-19.71	-0.008	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	-29.25	-0.012	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	-38.32	-0.015	PASS
Band7	10	21100	50	#0	QPSK	NV	0	-44.92	-0.018	PASS
Band7	10	21100	50	#0	QPSK	NV	10	-16.81	-0.007	PASS
Band7	10	21100	50	#0	QPSK	NV	20	-24.13	-0.010	PASS
Band7	10	21100	50	#0	QPSK	NV	30	-33.70	-0.013	PASS
Band7	10	21100	50	#0	QPSK	NV	40	-42.30	-0.017	PASS
Band7	10	21100	50	#0	QPSK	NV	50	10.69	0.004	PASS
Band7	10	21100	50	#0	16QAM	NV	-30	5.68	0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	-20	-2.17	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	-10	-7.82	-0.003	PASS
Band7	10	21100	50	#0	16QAM	NV	0	-13.85	-0.005	PASS
Band7	10	21100	50	#0	16QAM	NV	10	-21.96	-0.009	PASS
Band7	10	21100	50	#0	16QAM	NV	20	-26.01	-0.010	PASS
Band7	10	21100	50	#0	16QAM	NV	30	-33.10	-0.013	PASS
Band7	10	21100	50	#0	16QAM	NV	40	-37.71	-0.015	PASS
Band7	10	21100	50	#0	16QAM	NV	50	-44.05	-0.017	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	-17.35	-0.007	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	-26.24	-0.010	PASS

Band7	10	21400	50	#0	QPSK	NV	-10	-35.31	-0.014	PASS
Band7	10	21400	50	#0	QPSK	NV	0	-29.97	-0.012	PASS
Band7	10	21400	50	#0	QPSK	NV	10	-1.54	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	20	-13.13	-0.005	PASS
Band7	10	21400	50	#0	QPSK	NV	30	-21.00	-0.008	PASS
Band7	10	21400	50	#0	QPSK	NV	40	-28.78	-0.011	PASS
Band7	10	21400	50	#0	QPSK	NV	50	-40.88	-0.016	PASS
Band7	10	21400	50	#0	16QAM	NV	-30	-46.62	-0.018	PASS
Band7	10	21400	50	#0	16QAM	NV	-20	-52.73	-0.021	PASS
Band7	10	21400	50	#0	16QAM	NV	-10	-18.34	-0.007	PASS
Band7	10	21400	50	#0	16QAM	NV	0	-26.24	-0.010	PASS
Band7	10	21400	50	#0	16QAM	NV	10	-33.20	-0.013	PASS
Band7	10	21400	50	#0	16QAM	NV	20	-38.80	-0.015	PASS
Band7	10	21400	50	#0	16QAM	NV	30	-44.69	-0.017	PASS
Band7	10	21400	50	#0	16QAM	NV	40	-48.89	-0.019	PASS
Band7	10	21400	50	#0	16QAM	NV	50	7.01	0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	-29.08	-0.012	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	-22.29	-0.009	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	-14.83	-0.006	PASS
Band7	15	20825	75	#0	QPSK	NV	0	-33.17	-0.013	PASS
Band7	15	20825	75	#0	QPSK	NV	10	-46.72	-0.019	PASS
Band7	15	20825	75	#0	QPSK	NV	20	-11.06	-0.004	PASS
Band7	15	20825	75	#0	QPSK	NV	30	-24.05	-0.010	PASS
Band7	15	20825	75	#0	QPSK	NV	40	-36.49	-0.015	PASS
Band7	15	20825	75	#0	QPSK	NV	50	-27.12	-0.011	PASS
Band7	15	20825	75	#0	16QAM	NV	-30	-25.16	-0.010	PASS
Band7	15	20825	75	#0	16QAM	NV	-20	-30.41	-0.012	PASS
Band7	15	20825	75	#0	16QAM	NV	-10	-39.51	-0.016	PASS
Band7	15	20825	75	#0	16QAM	NV	0	-45.49	-0.018	PASS
Band7	15	20825	75	#0	16QAM	NV	10	-55.10	-0.022	PASS
Band7	15	20825	75	#0	16QAM	NV	20	-0.62	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	30	-8.11	-0.003	PASS
Band7	15	20825	75	#0	16QAM	NV	40	-17.94	-0.007	PASS
Band7	15	20825	75	#0	16QAM	NV	50	-26.95	-0.011	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	-27.78	-0.011	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	-34.99	-0.014	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	-12.22	-0.005	PASS
Band7	15	21100	75	#0	QPSK	NV	0	9.07	0.004	PASS
Band7	15	21100	75	#0	QPSK	NV	10	-0.70	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	20	-7.94	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	30	-17.65	-0.007	PASS
Band7	15	21100	75	#0	QPSK	NV	40	-27.57	-0.011	PASS
Band7	15	21100	75	#0	QPSK	NV	50	-36.49	-0.014	PASS

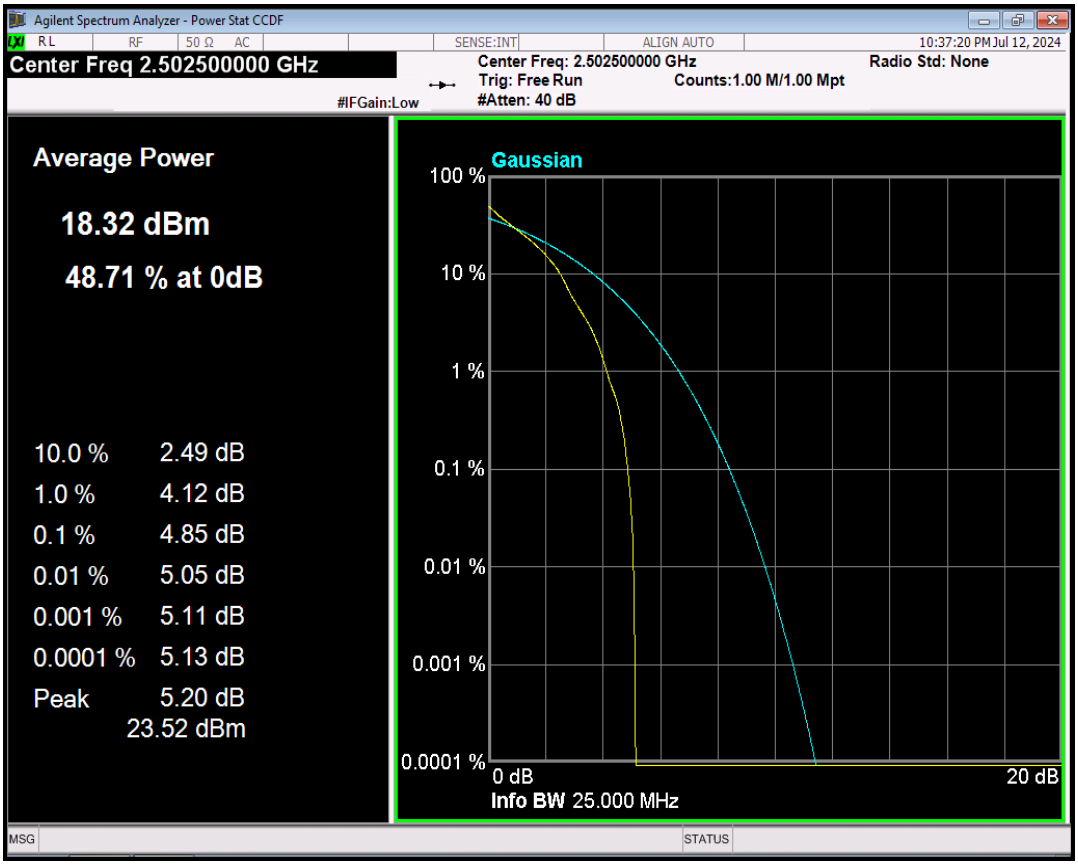
Band7	15	21100	75	#0	16QAM	NV	-30	5.56	0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	-20	-2.70	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	-10	-8.40	-0.003	PASS
Band7	15	21100	75	#0	16QAM	NV	0	-15.06	-0.006	PASS
Band7	15	21100	75	#0	16QAM	NV	10	-22.03	-0.009	PASS
Band7	15	21100	75	#0	16QAM	NV	20	-24.60	-0.010	PASS
Band7	15	21100	75	#0	16QAM	NV	30	-30.37	-0.012	PASS
Band7	15	21100	75	#0	16QAM	NV	40	-36.18	-0.014	PASS
Band7	15	21100	75	#0	16QAM	NV	50	-41.13	-0.016	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	0.00	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	-8.24	-0.003	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	-20.21	-0.008	PASS
Band7	15	21375	75	#0	QPSK	NV	0	-28.20	-0.011	PASS
Band7	15	21375	75	#0	QPSK	NV	10	-38.01	-0.015	PASS
Band7	15	21375	75	#0	QPSK	NV	20	-29.80	-0.012	PASS
Band7	15	21375	75	#0	QPSK	NV	30	-23.06	-0.009	PASS
Band7	15	21375	75	#0	QPSK	NV	40	-33.70	-0.013	PASS
Band7	15	21375	75	#0	QPSK	NV	50	-39.01	-0.015	PASS
Band7	15	21375	75	#0	16QAM	NV	-30	-45.68	-0.018	PASS
Band7	15	21375	75	#0	16QAM	NV	-20	-54.67	-0.021	PASS
Band7	15	21375	75	#0	16QAM	NV	-10	-25.18	-0.010	PASS
Band7	15	21375	75	#0	16QAM	NV	0	-31.90	-0.012	PASS
Band7	15	21375	75	#0	16QAM	NV	10	-35.59	-0.014	PASS
Band7	15	21375	75	#0	16QAM	NV	20	-41.91	-0.016	PASS
Band7	15	21375	75	#0	16QAM	NV	30	-52.29	-0.020	PASS
Band7	15	21375	75	#0	16QAM	NV	40	-8.00	-0.003	PASS
Band7	15	21375	75	#0	16QAM	NV	50	-11.87	-0.005	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-13.65	-0.005	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-22.00	-0.009	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-32.36	-0.013	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-7.44	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-19.07	-0.008	PASS
Band7	20	20850	100	#0	QPSK	NV	20	-31.93	-0.013	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-11.64	-0.005	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-1.79	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-11.27	-0.004	PASS
Band7	20	20850	100	#0	16QAM	NV	-30	-18.67	-0.007	PASS
Band7	20	20850	100	#0	16QAM	NV	-20	-25.02	-0.010	PASS
Band7	20	20850	100	#0	16QAM	NV	-10	-30.13	-0.012	PASS
Band7	20	20850	100	#0	16QAM	NV	0	-35.12	-0.014	PASS
Band7	20	20850	100	#0	16QAM	NV	10	-39.28	-0.016	PASS
Band7	20	20850	100	#0	16QAM	NV	20	-44.02	-0.018	PASS
Band7	20	20850	100	#0	16QAM	NV	30	-43.92	-0.017	PASS

Band7	20	20850	100	#0	16QAM	NV	40	-18.14	-0.007	PASS
Band7	20	20850	100	#0	16QAM	NV	50	-21.36	-0.009	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	-20.44	-0.008	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	-29.97	-0.012	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	-37.22	-0.015	PASS
Band7	20	21100	100	#0	QPSK	NV	0	-43.63	-0.017	PASS
Band7	20	21100	100	#0	QPSK	NV	10	-14.05	-0.006	PASS
Band7	20	21100	100	#0	QPSK	NV	20	-23.56	-0.009	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-29.90	-0.012	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-37.41	-0.015	PASS
Band7	20	21100	100	#0	QPSK	NV	50	-43.09	-0.017	PASS
Band7	20	21100	100	#0	16QAM	NV	-30	15.31	0.006	PASS
Band7	20	21100	100	#0	16QAM	NV	-20	15.66	0.006	PASS
Band7	20	21100	100	#0	16QAM	NV	-10	11.84	0.005	PASS
Band7	20	21100	100	#0	16QAM	NV	0	8.33	0.003	PASS
Band7	20	21100	100	#0	16QAM	NV	10	3.96	0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	20	-0.70	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	30	-1.73	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	40	-5.89	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	50	-7.04	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	-26.39	-0.010	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	-34.73	-0.014	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	-44.86	-0.018	PASS
Band7	20	21350	100	#0	QPSK	NV	0	-53.93	-0.021	PASS
Band7	20	21350	100	#0	QPSK	NV	10	0.33	0.000	PASS
Band7	20	21350	100	#0	QPSK	NV	20	-6.35	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	30	-14.56	-0.006	PASS
Band7	20	21350	100	#0	QPSK	NV	40	-21.30	-0.008	PASS
Band7	20	21350	100	#0	QPSK	NV	50	-29.77	-0.012	PASS
Band7	20	21350	100	#0	16QAM	NV	-30	-32.79	-0.013	PASS
Band7	20	21350	100	#0	16QAM	NV	-20	-35.49	-0.014	PASS
Band7	20	21350	100	#0	16QAM	NV	-10	-35.46	-0.014	PASS
Band7	20	21350	100	#0	16QAM	NV	0	-38.09	-0.015	PASS
Band7	20	21350	100	#0	16QAM	NV	10	-33.09	-0.013	PASS
Band7	20	21350	100	#0	16QAM	NV	20	-7.00	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	30	-11.53	-0.005	PASS
Band7	20	21350	100	#0	16QAM	NV	40	-14.69	-0.006	PASS
Band7	20	21350	100	#0	16QAM	NV	50	-18.54	-0.007	PASS

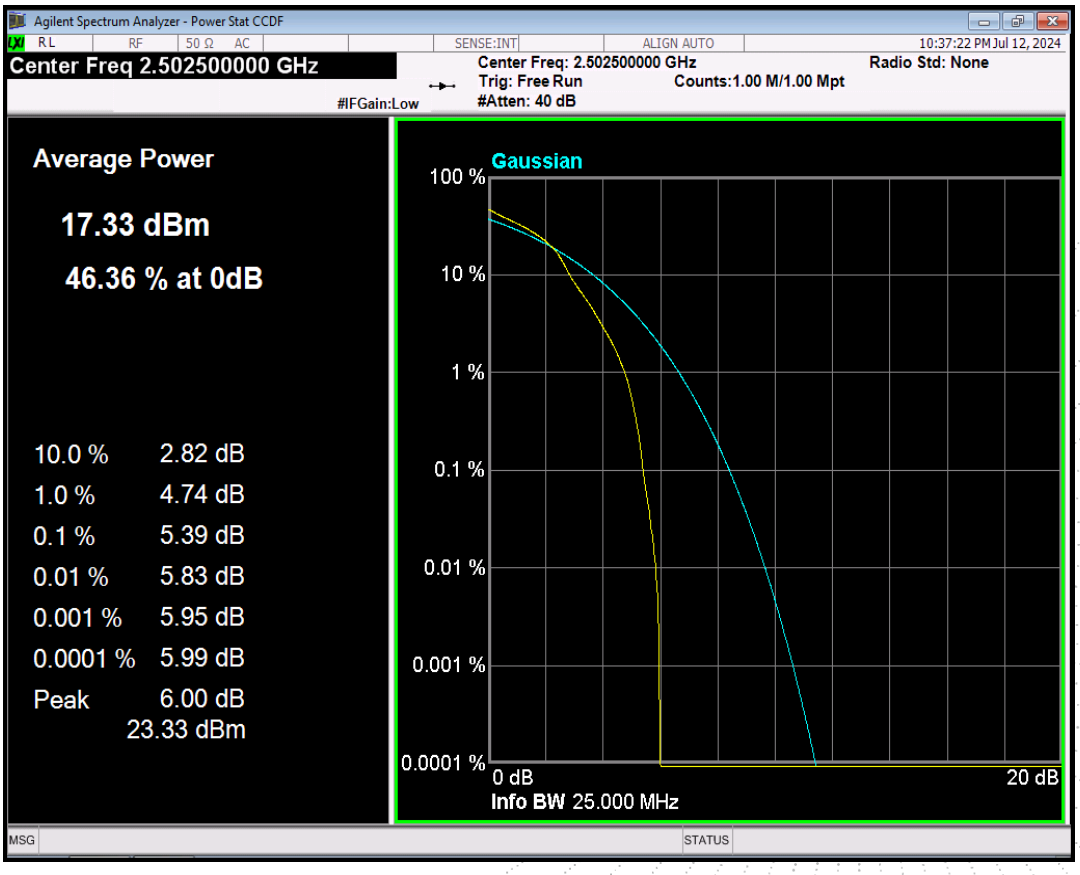
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	4.85	13	PASS
Band7	5	20775	1	#0	16QAM	5.39	13	PASS
Band7	5	21100	1	#0	QPSK	4.30	13	PASS
Band7	5	21100	1	#0	16QAM	4.64	13	PASS
Band7	5	21425	1	#0	QPSK	3.87	13	PASS
Band7	5	21425	1	#0	16QAM	4.26	13	PASS
Band7	10	20800	1	#0	QPSK	4.76	13	PASS
Band7	10	20800	1	#0	16QAM	5.41	13	PASS
Band7	10	21100	1	#0	QPSK	4.02	13	PASS
Band7	10	21100	1	#0	16QAM	4.58	13	PASS
Band7	10	21400	1	#0	QPSK	3.30	13	PASS
Band7	10	21400	1	#0	16QAM	4.11	13	PASS
Band7	15	20825	1	#0	QPSK	4.80	13	PASS
Band7	15	20825	1	#0	16QAM	5.50	13	PASS
Band7	15	21100	1	#0	QPSK	3.86	13	PASS
Band7	15	21100	1	#0	16QAM	4.32	13	PASS
Band7	15	21375	1	#0	QPSK	3.70	13	PASS
Band7	15	21375	1	#0	16QAM	4.11	13	PASS
Band7	20	20850	1	#0	QPSK	4.80	13	PASS
Band7	20	20850	1	#0	16QAM	5.21	13	PASS
Band7	20	21100	1	#0	QPSK	3.74	13	PASS
Band7	20	21100	1	#0	16QAM	4.50	13	PASS
Band7	20	21350	1	#0	QPSK	4.34	13	PASS
Band7	20	21350	1	#0	16QAM	4.96	13	PASS

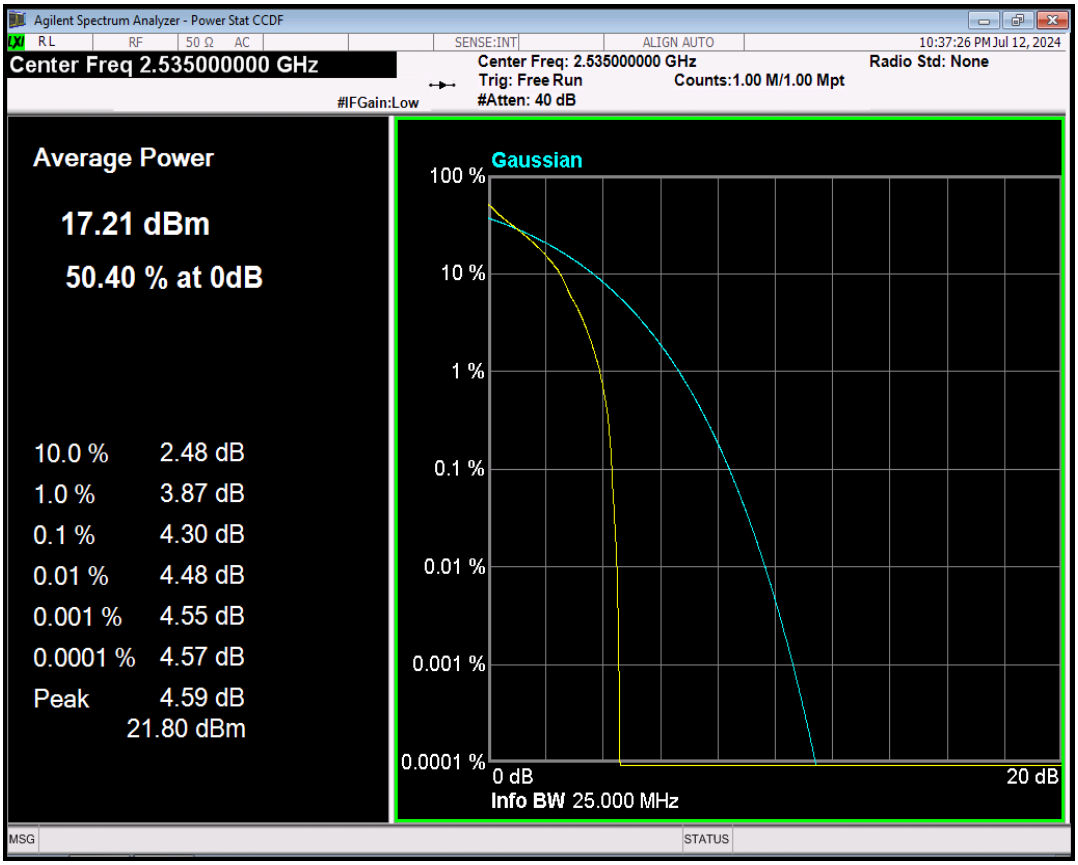
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



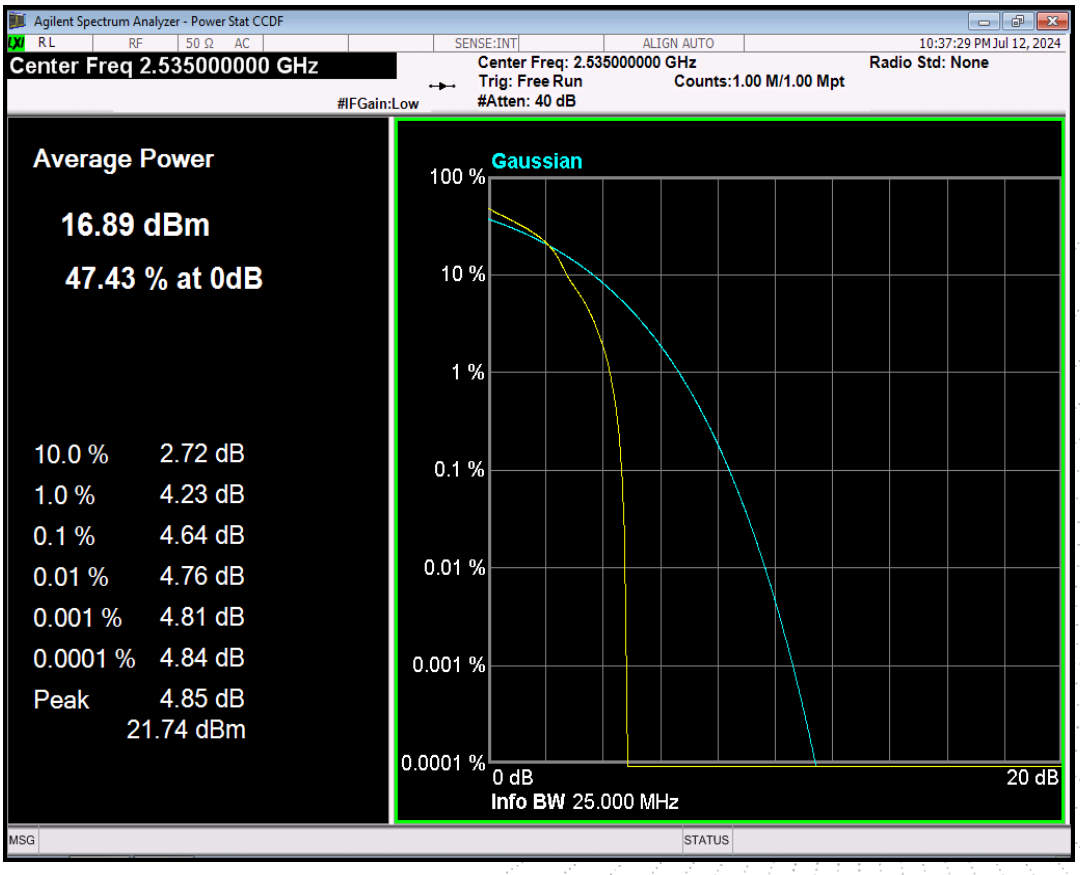
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0



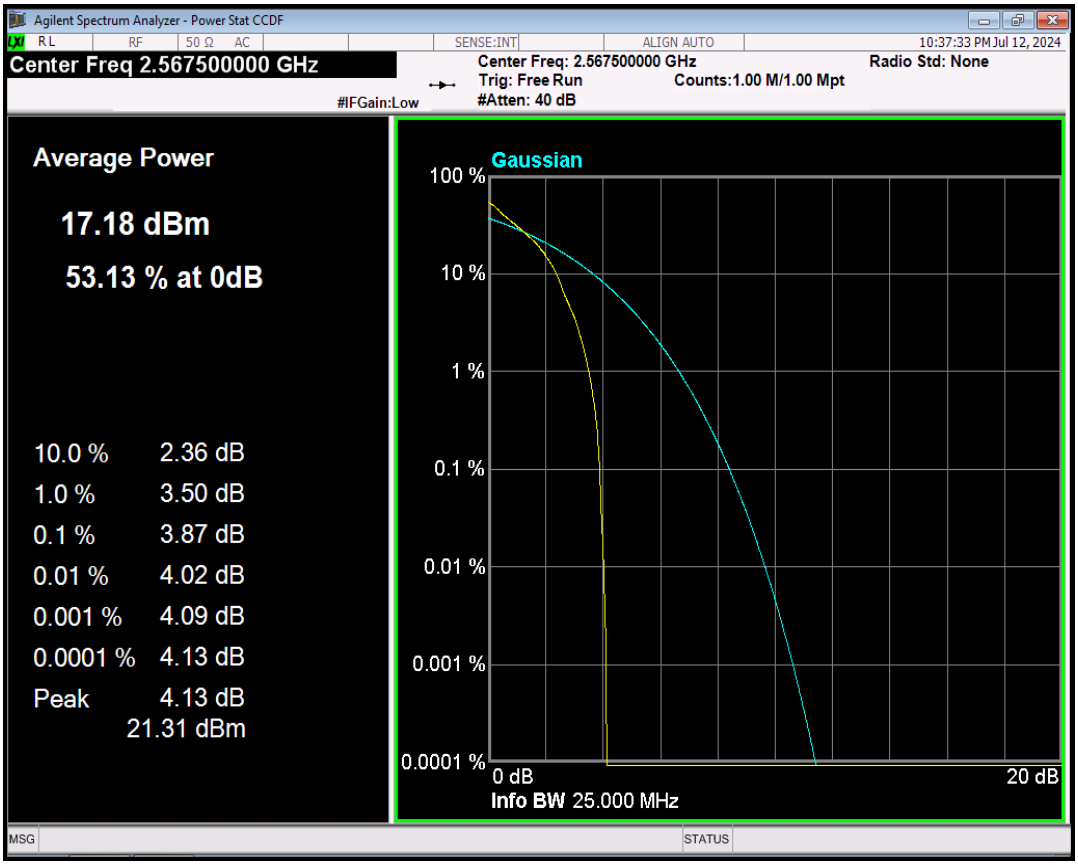
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



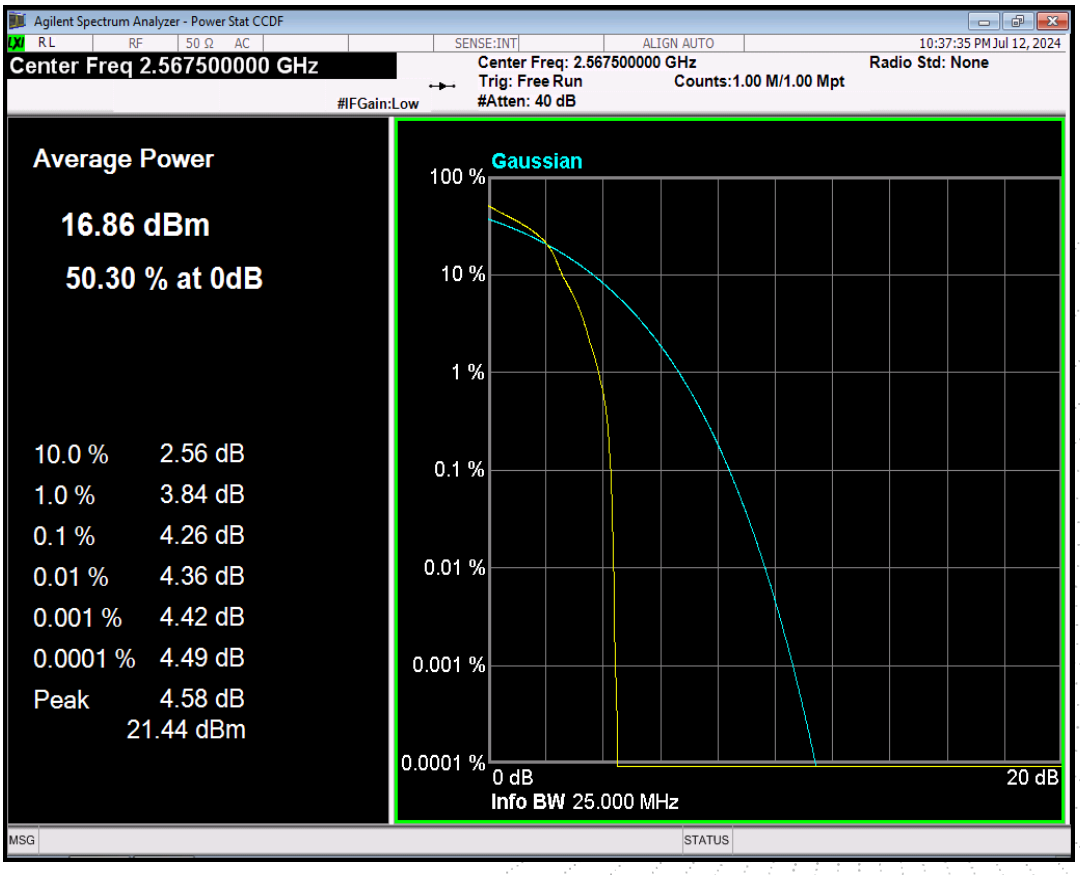
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



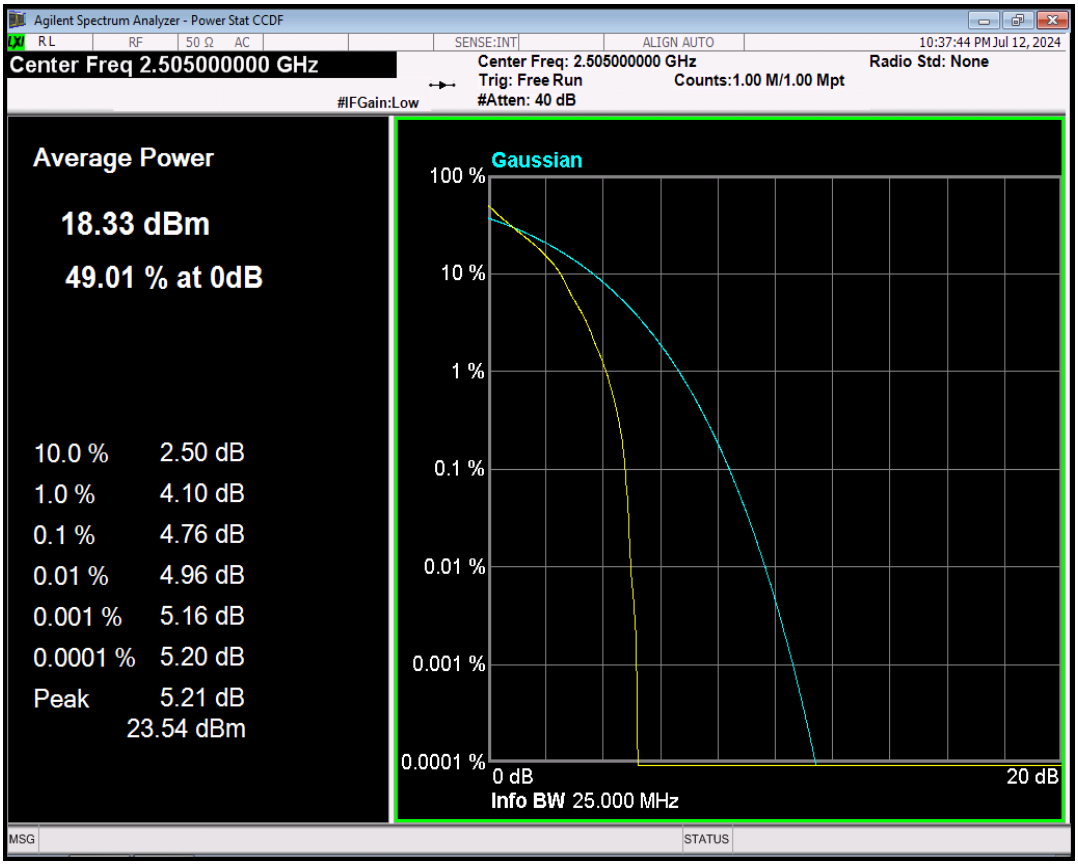
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



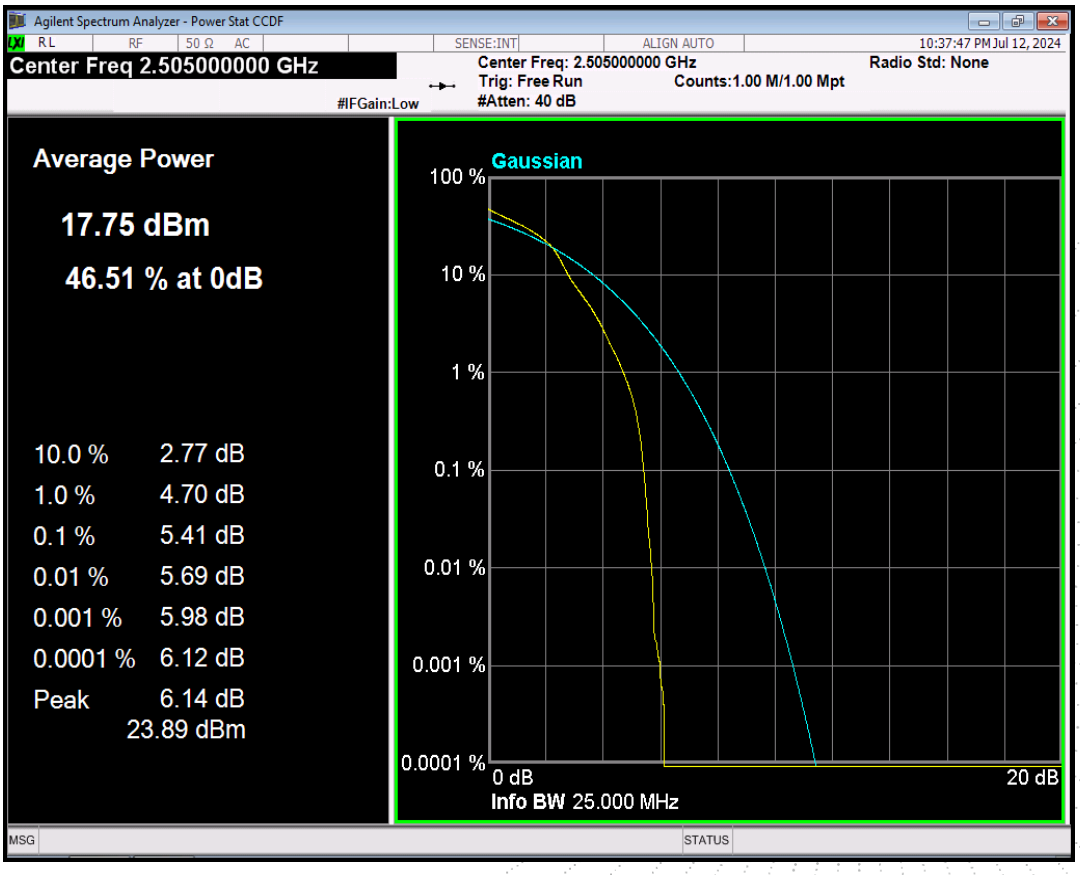
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



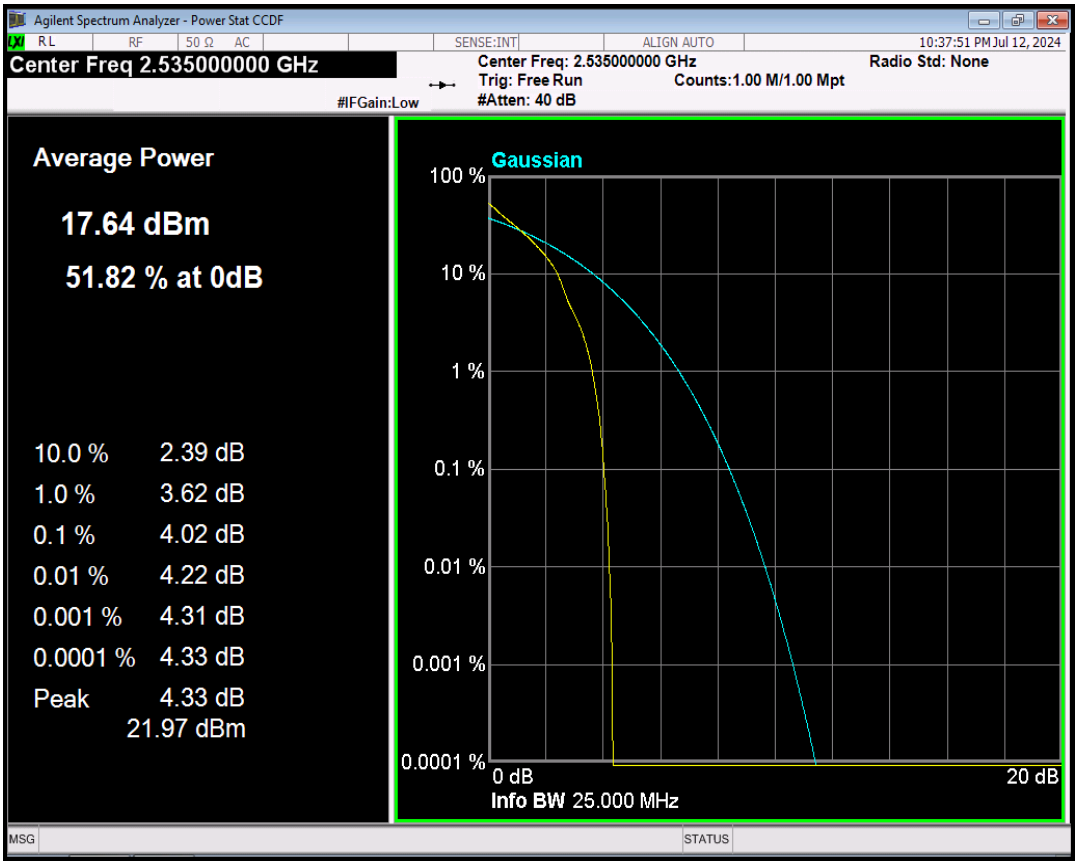
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0



Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



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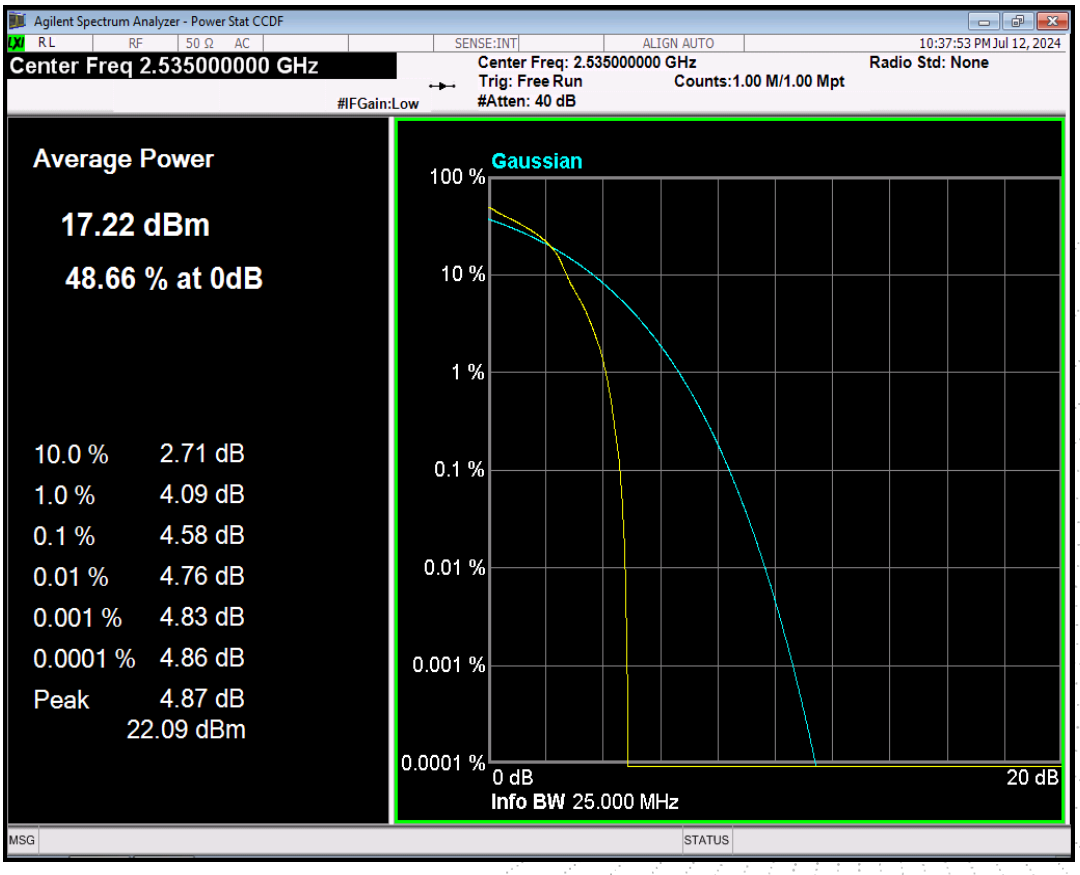
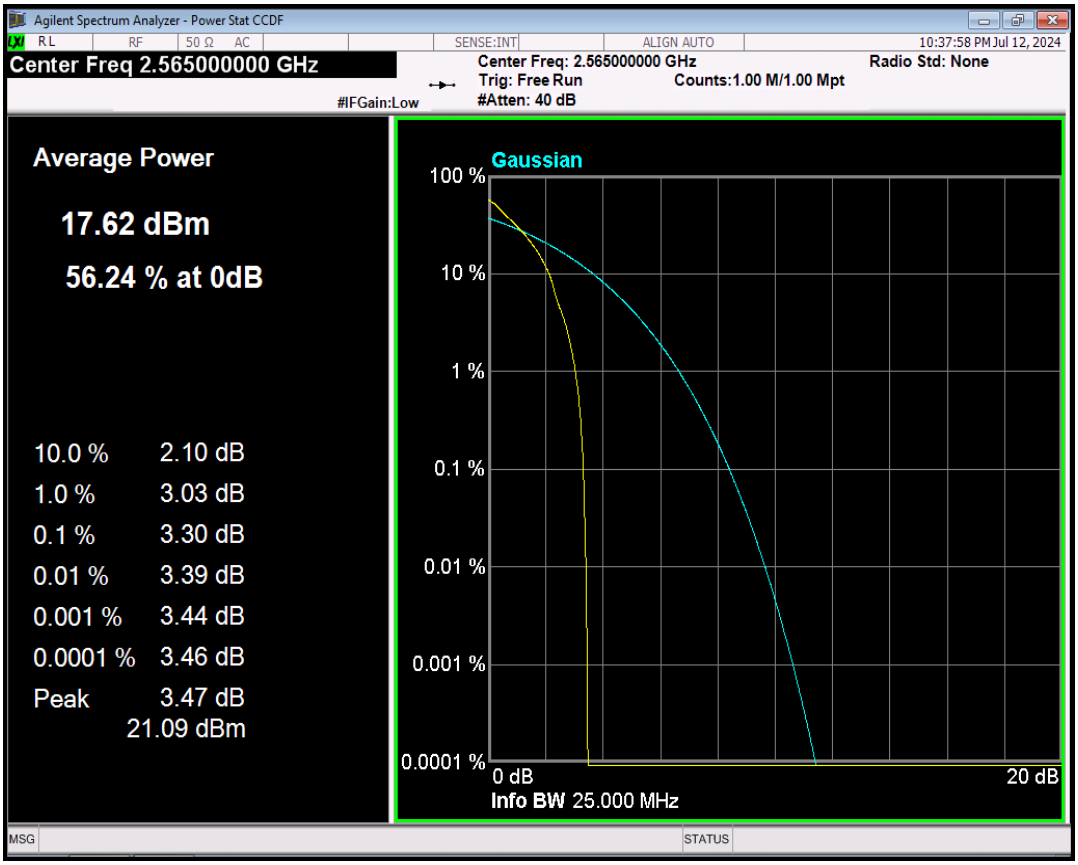
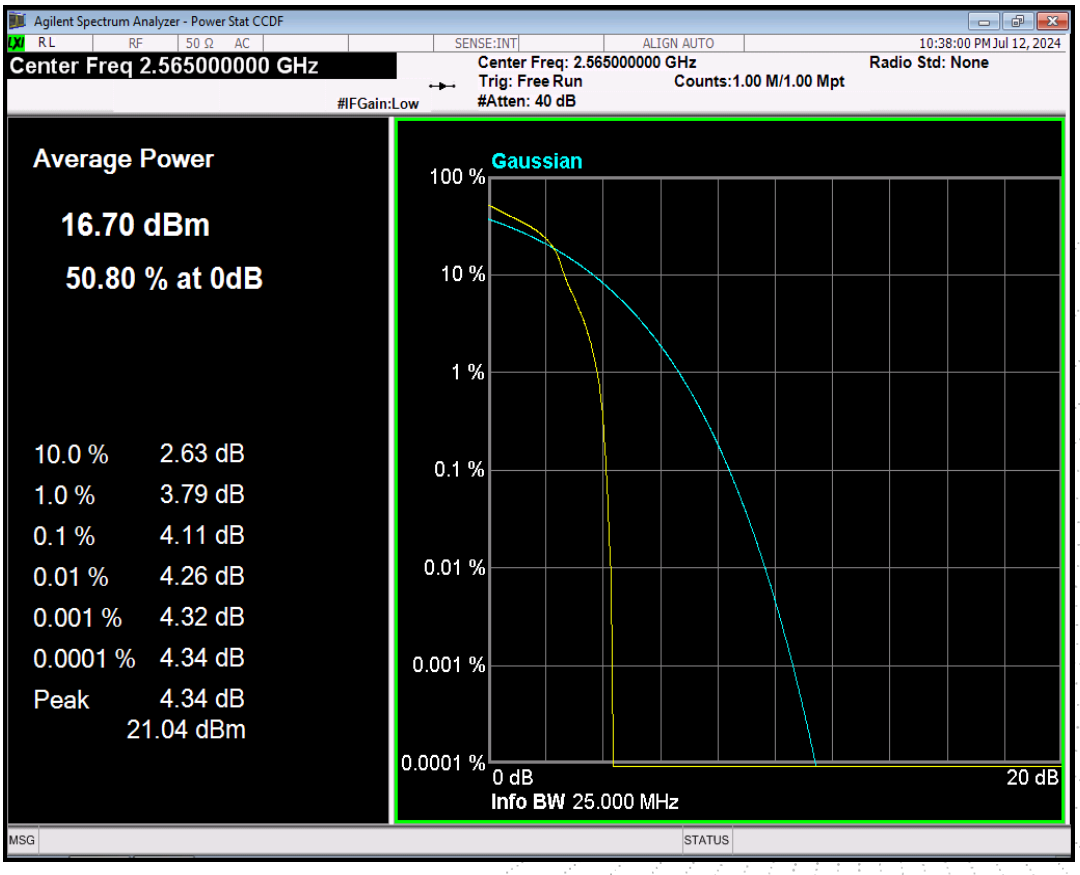


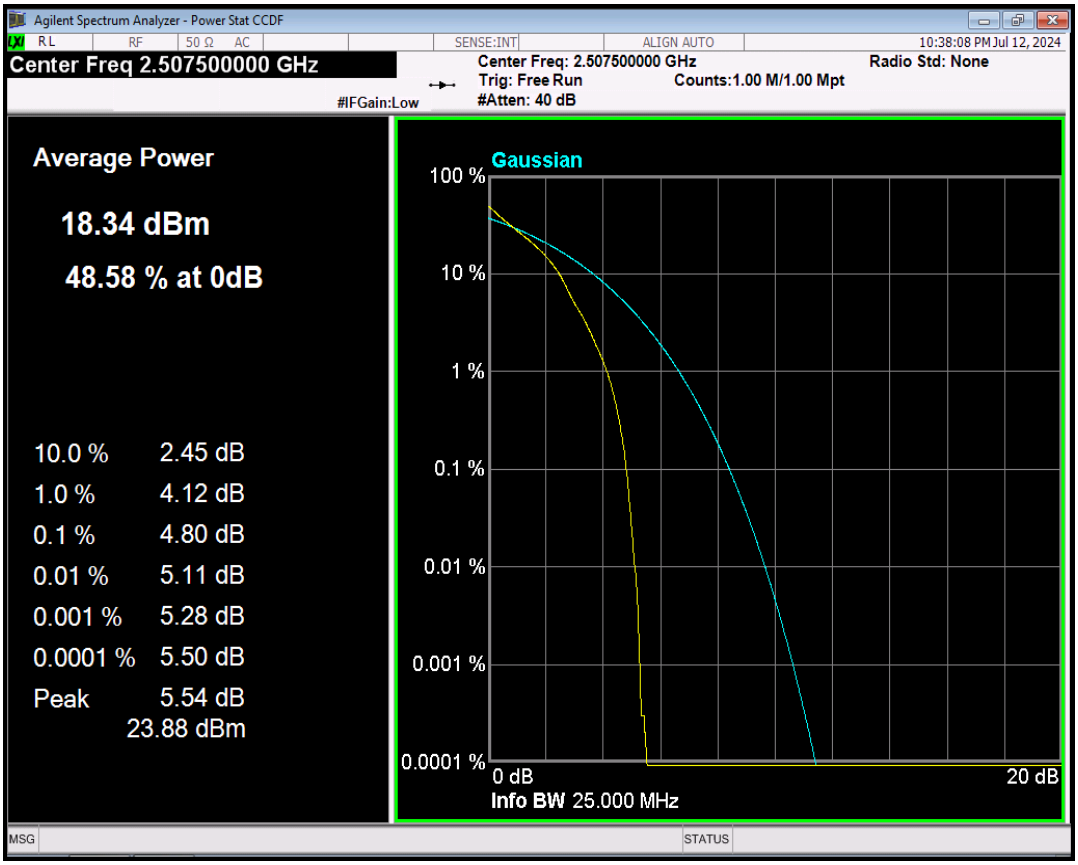
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



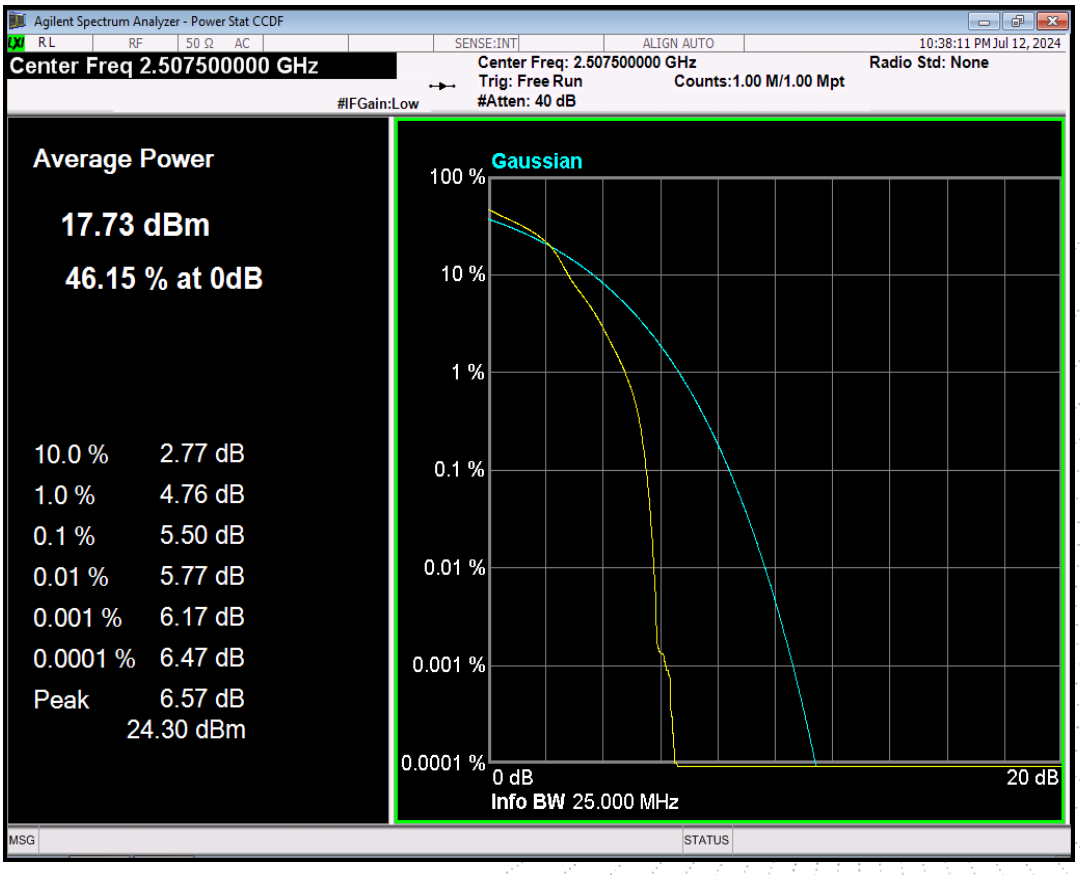
Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0



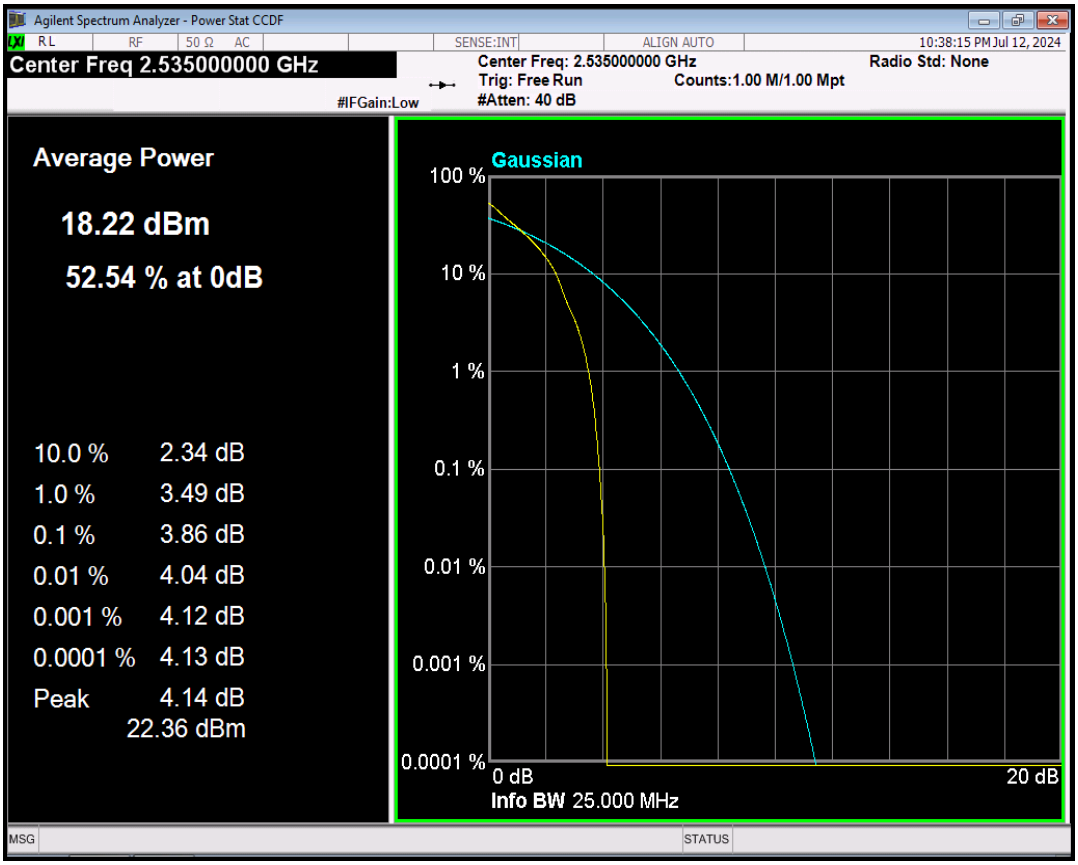
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



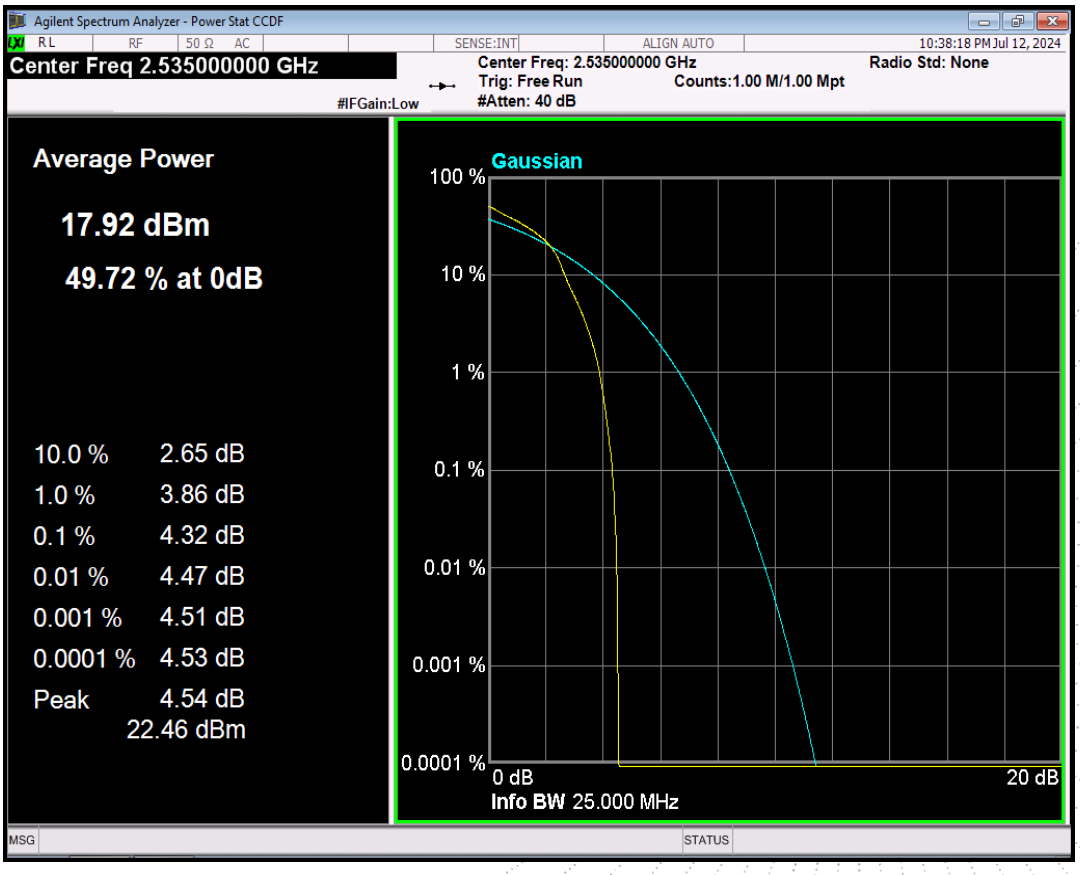
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



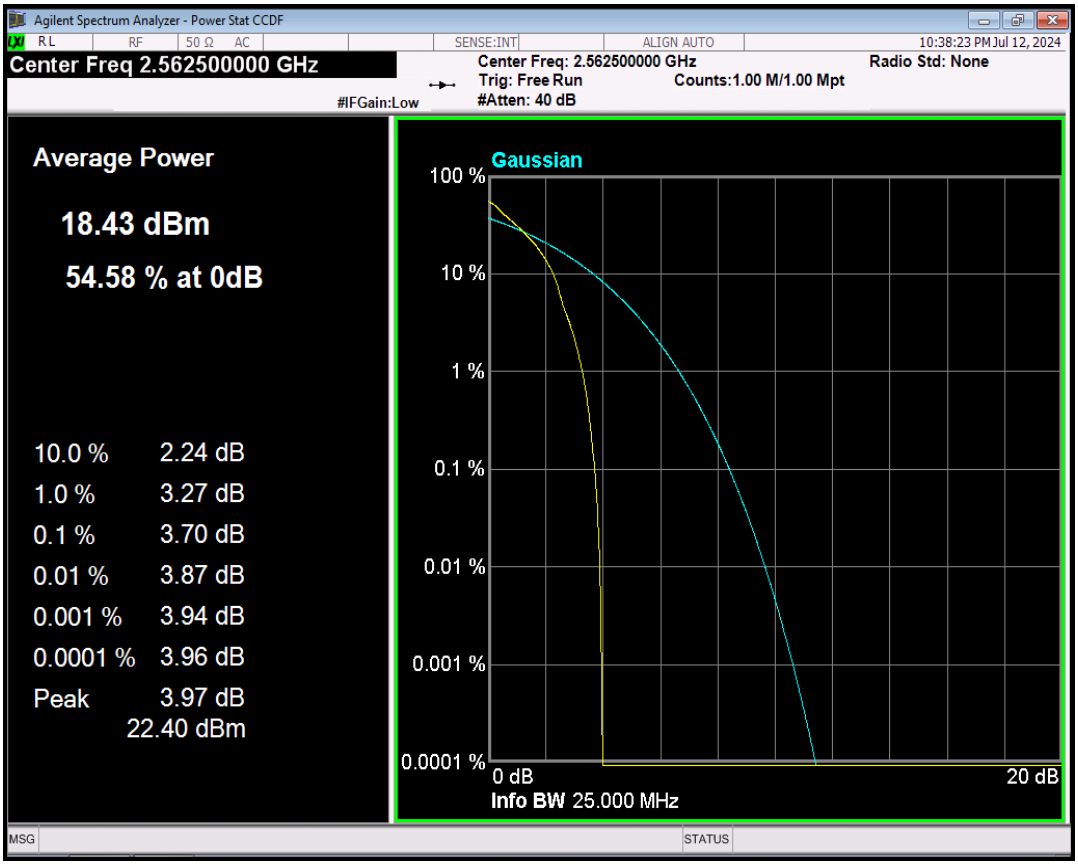
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



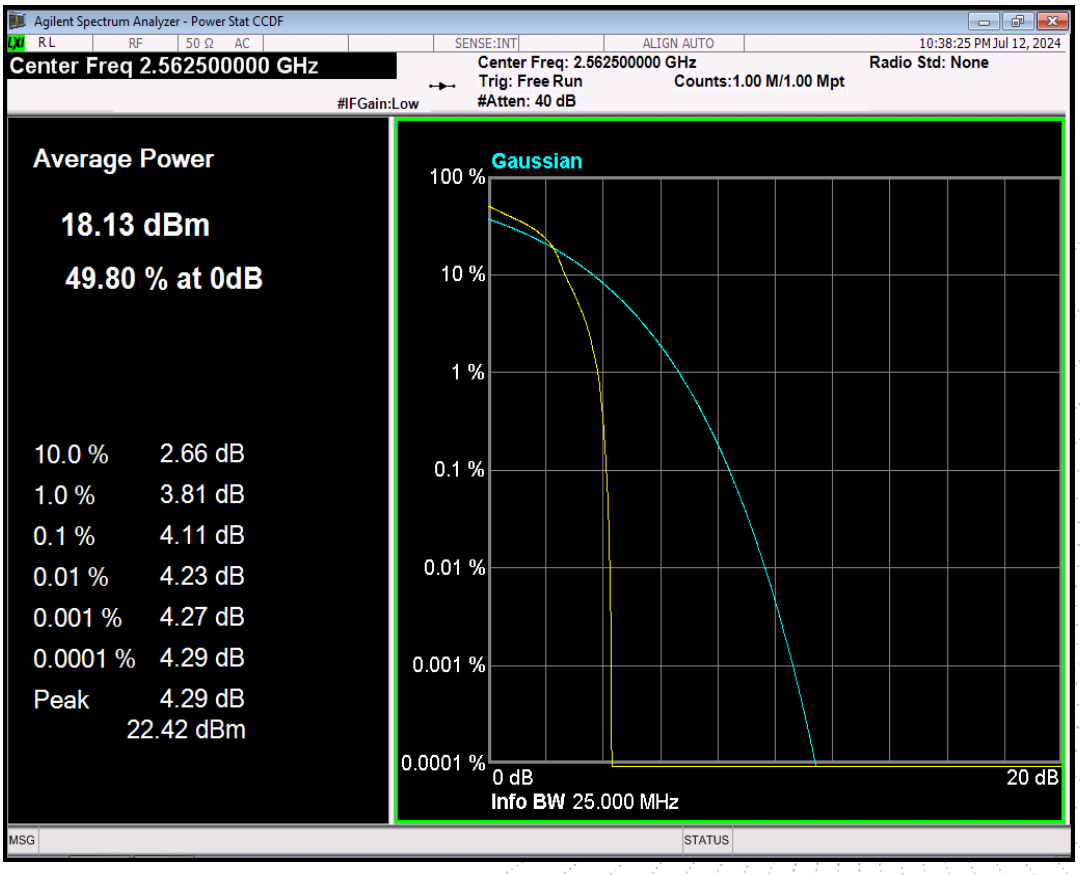
Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



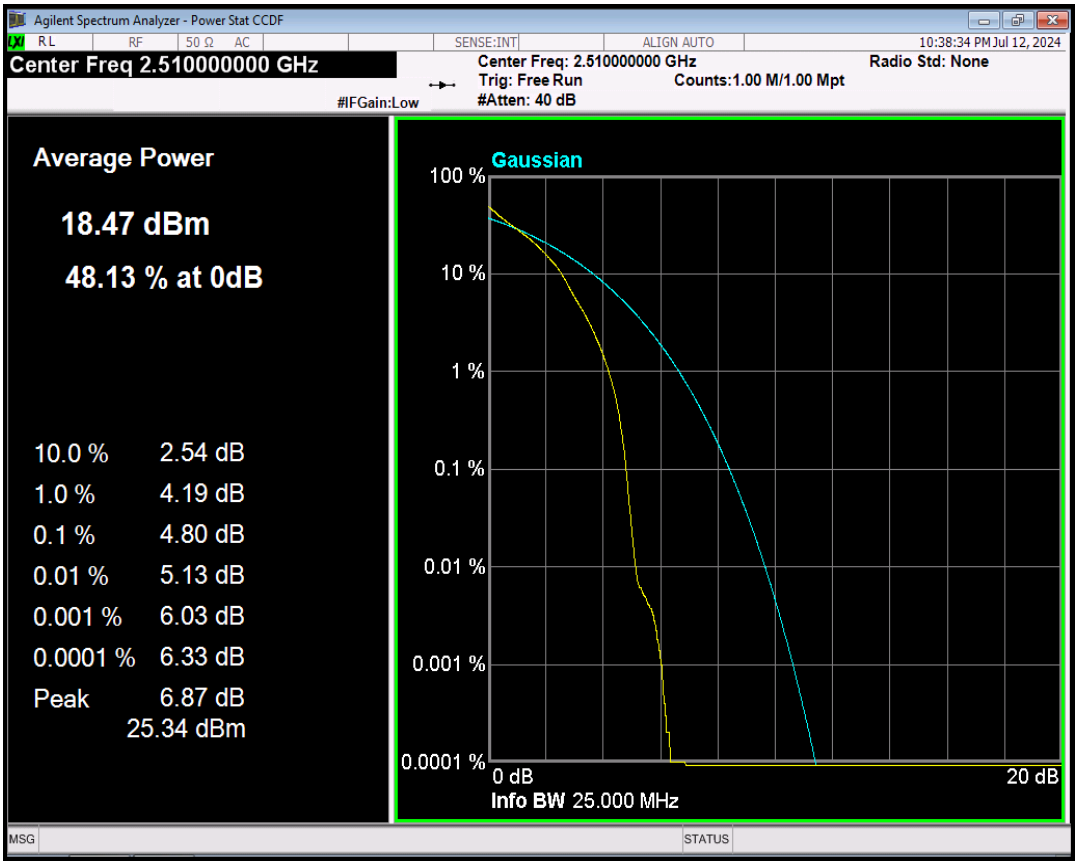
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



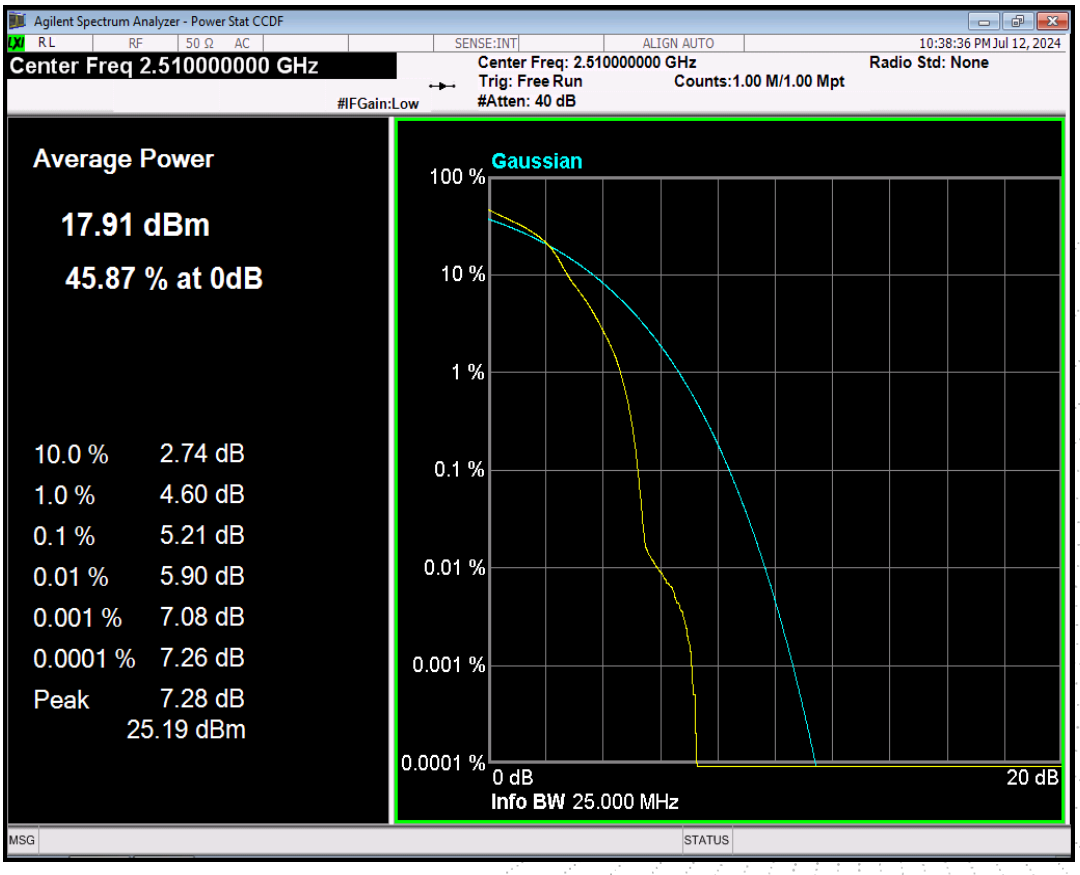
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0



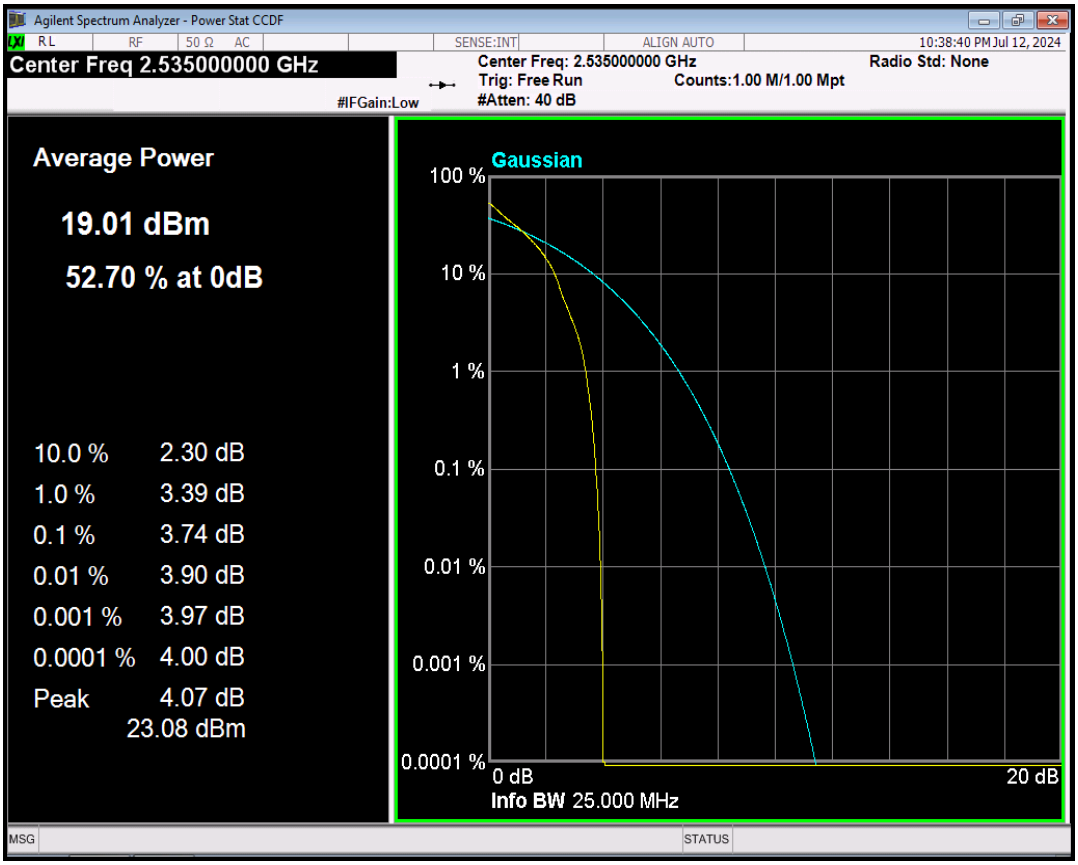
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



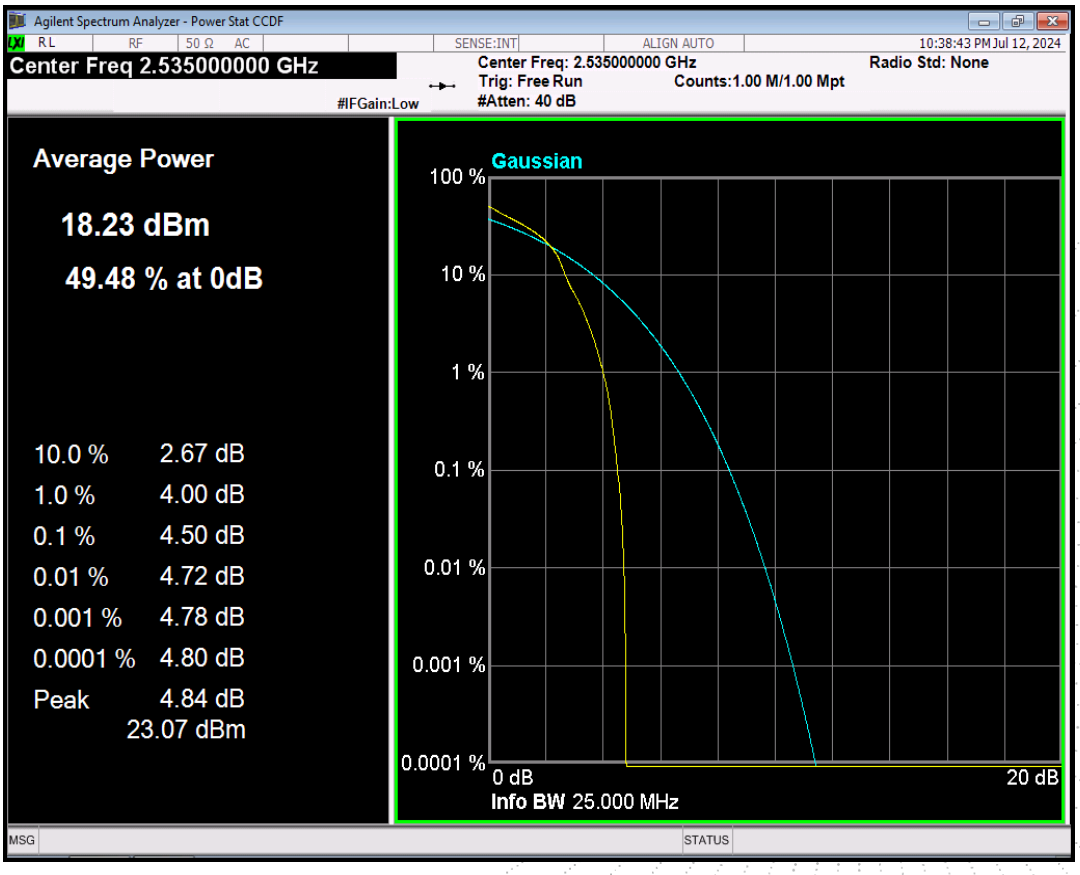
Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0



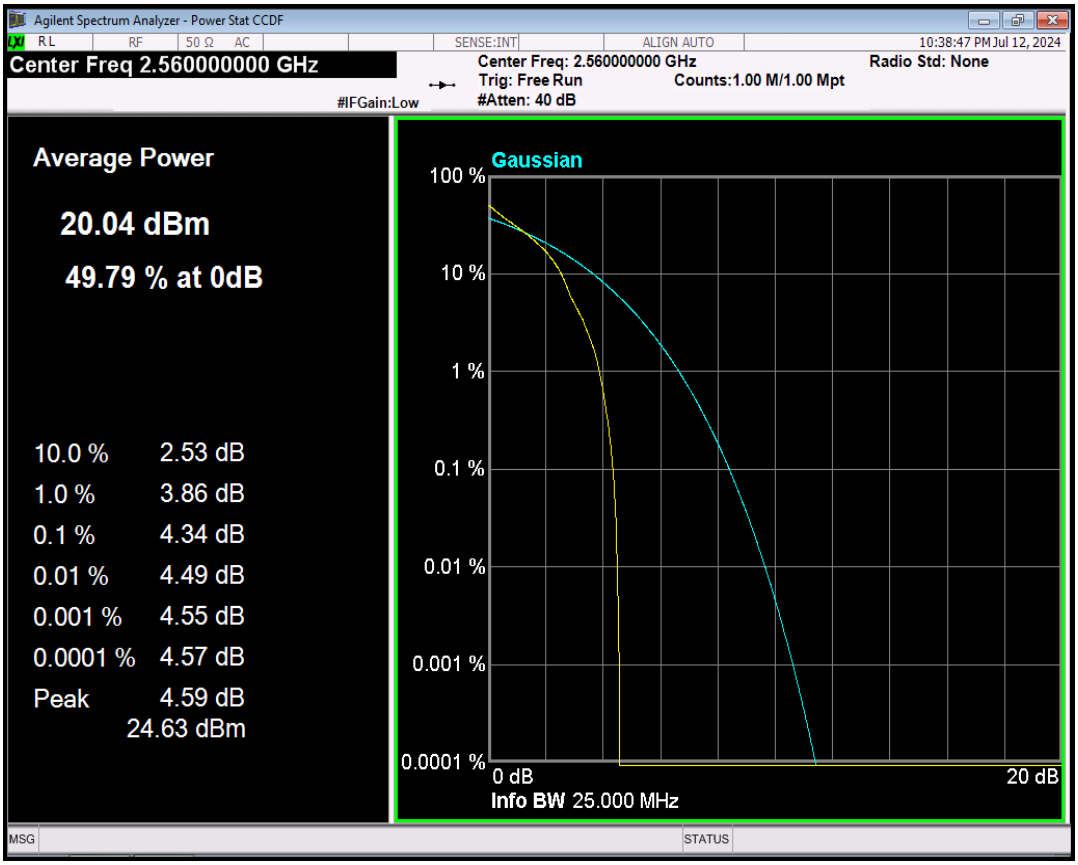
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



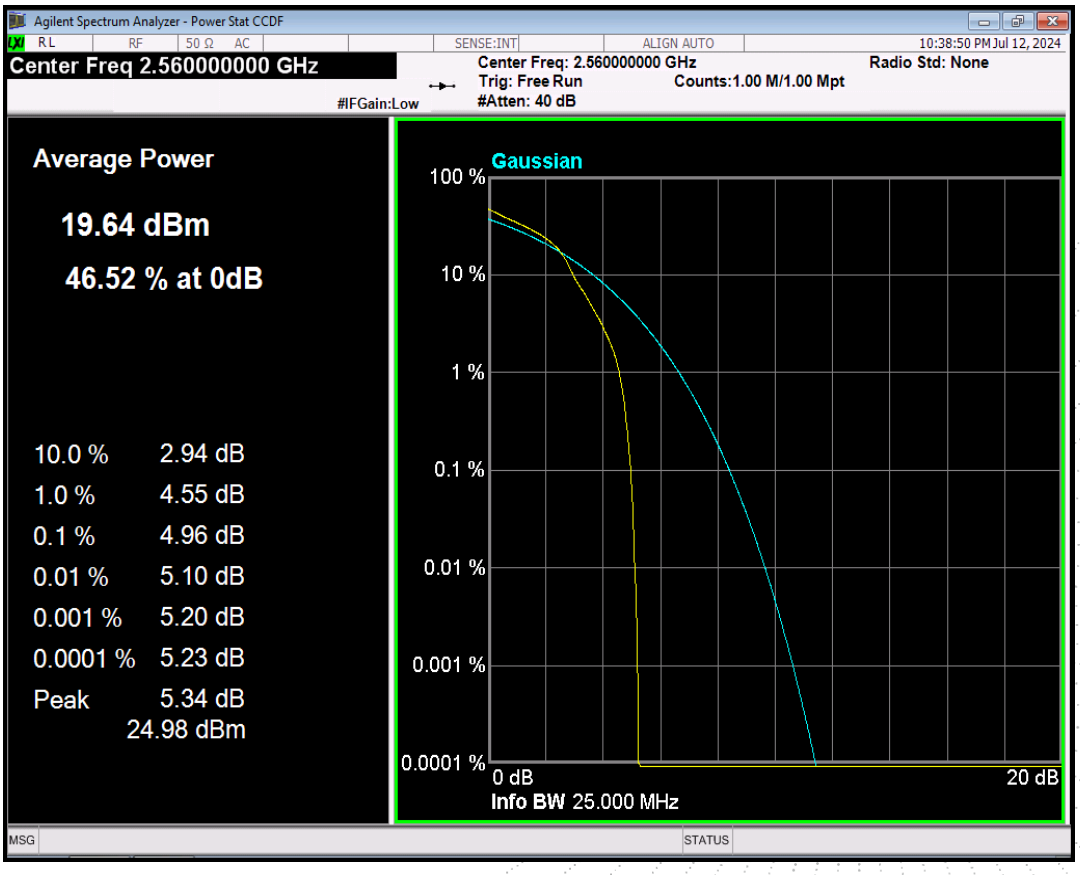
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



Band7 QPSK BW=20MHz Channel=21350 RB Size=1 Position=#0



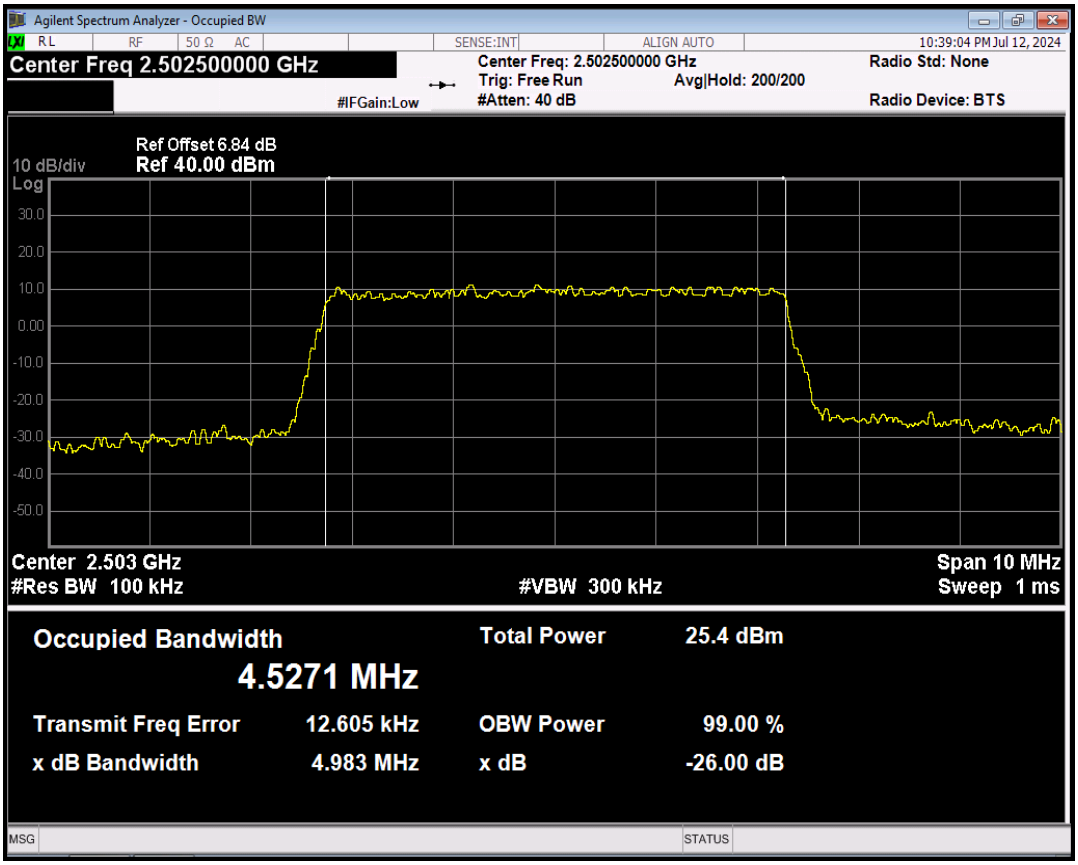
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0



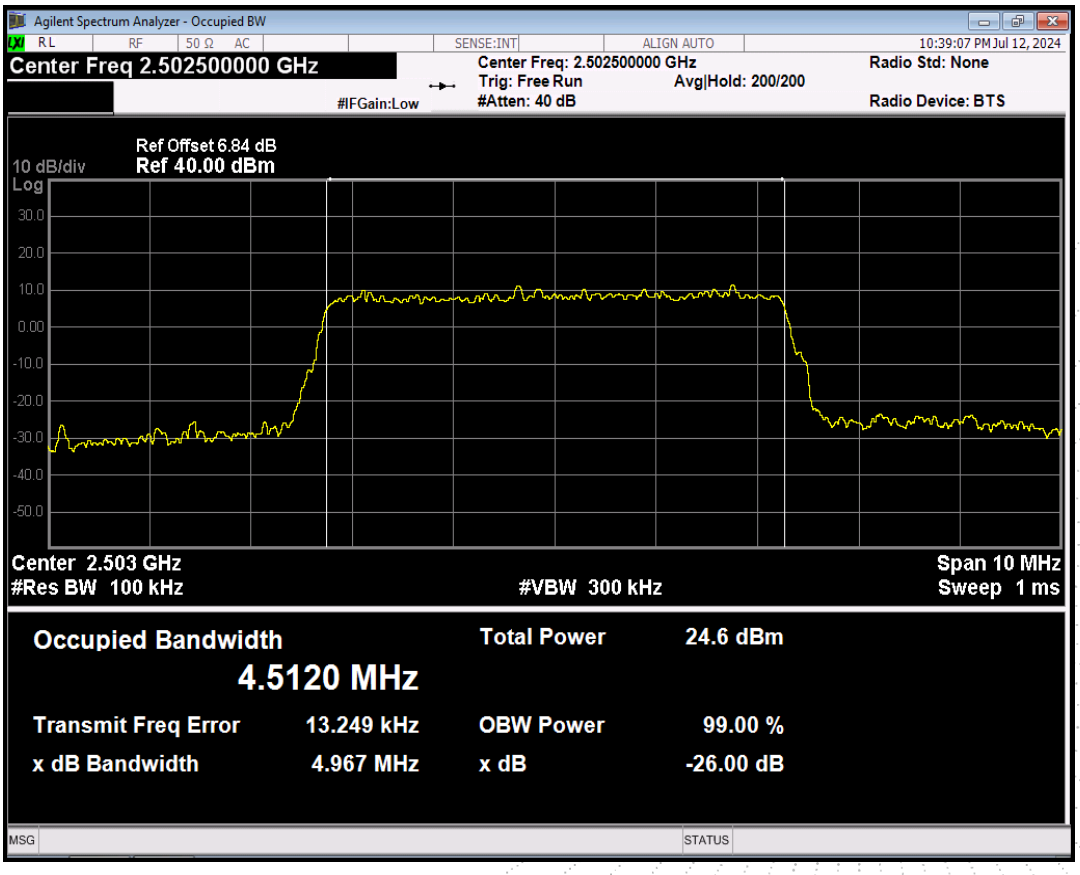
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.527	4.983	PASS
Band7	5	20775	25	#0	16QAM	4.512	4.967	PASS
Band7	5	21100	25	#0	QPSK	4.513	4.998	PASS
Band7	5	21100	25	#0	16QAM	4.541	5.000	PASS
Band7	5	21425	25	#0	QPSK	4.514	4.938	PASS
Band7	5	21425	25	#0	16QAM	4.524	5.021	PASS
Band7	10	20800	50	#0	QPSK	9.012	9.887	PASS
Band7	10	20800	50	#0	16QAM	8.994	9.826	PASS
Band7	10	21100	50	#0	QPSK	9.019	9.815	PASS
Band7	10	21100	50	#0	16QAM	9.015	9.808	PASS
Band7	10	21400	50	#0	QPSK	9.023	9.966	PASS
Band7	10	21400	50	#0	16QAM	9.037	9.814	PASS
Band7	15	20825	75	#0	QPSK	13.328	14.060	PASS
Band7	15	20825	75	#0	16QAM	13.428	14.561	PASS
Band7	15	21100	75	#0	QPSK	13.517	14.881	PASS
Band7	15	21100	75	#0	16QAM	13.555	14.643	PASS
Band7	15	21375	75	#0	QPSK	13.468	14.664	PASS
Band7	15	21375	75	#0	16QAM	13.511	14.869	PASS
Band7	20	20850	100	#0	QPSK	17.837	19.344	PASS
Band7	20	20850	100	#0	16QAM	17.838	19.271	PASS
Band7	20	21100	100	#0	QPSK	18.107	19.665	PASS
Band7	20	21100	100	#0	16QAM	18.097	19.175	PASS
Band7	20	21350	100	#0	QPSK	17.953	19.318	PASS
Band7	20	21350	100	#0	16QAM	17.913	19.506	PASS

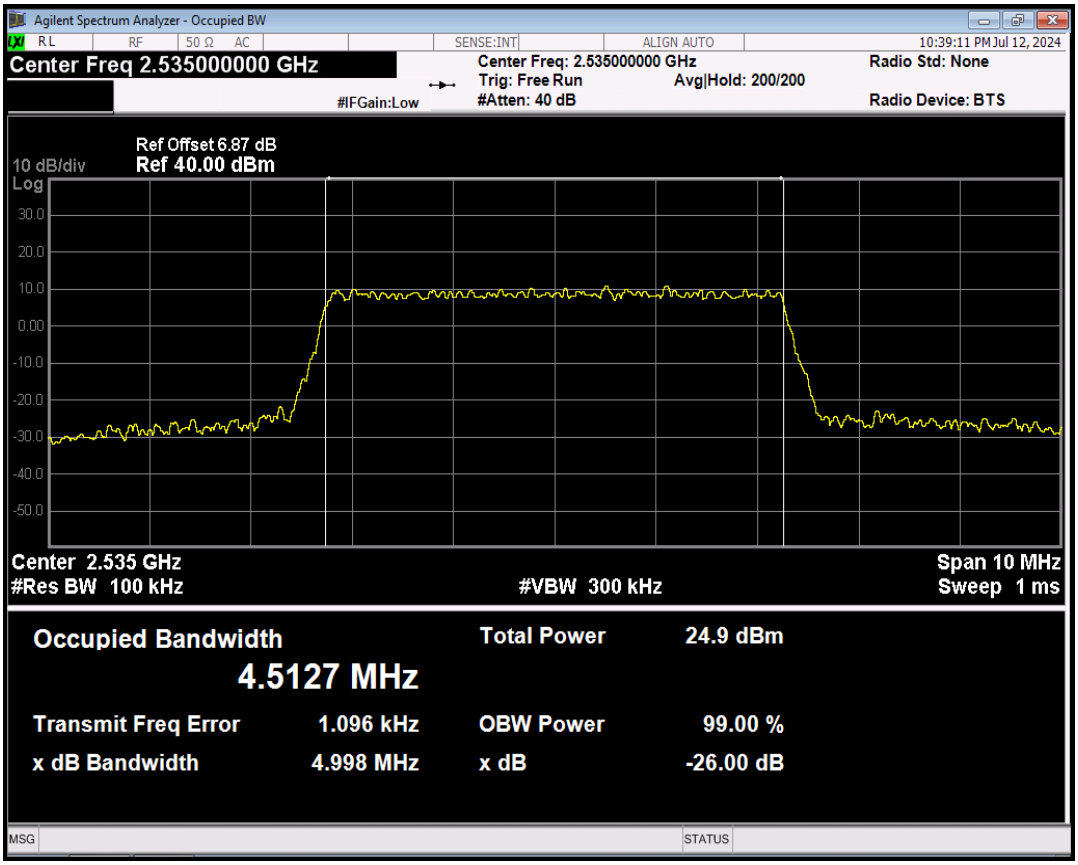
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



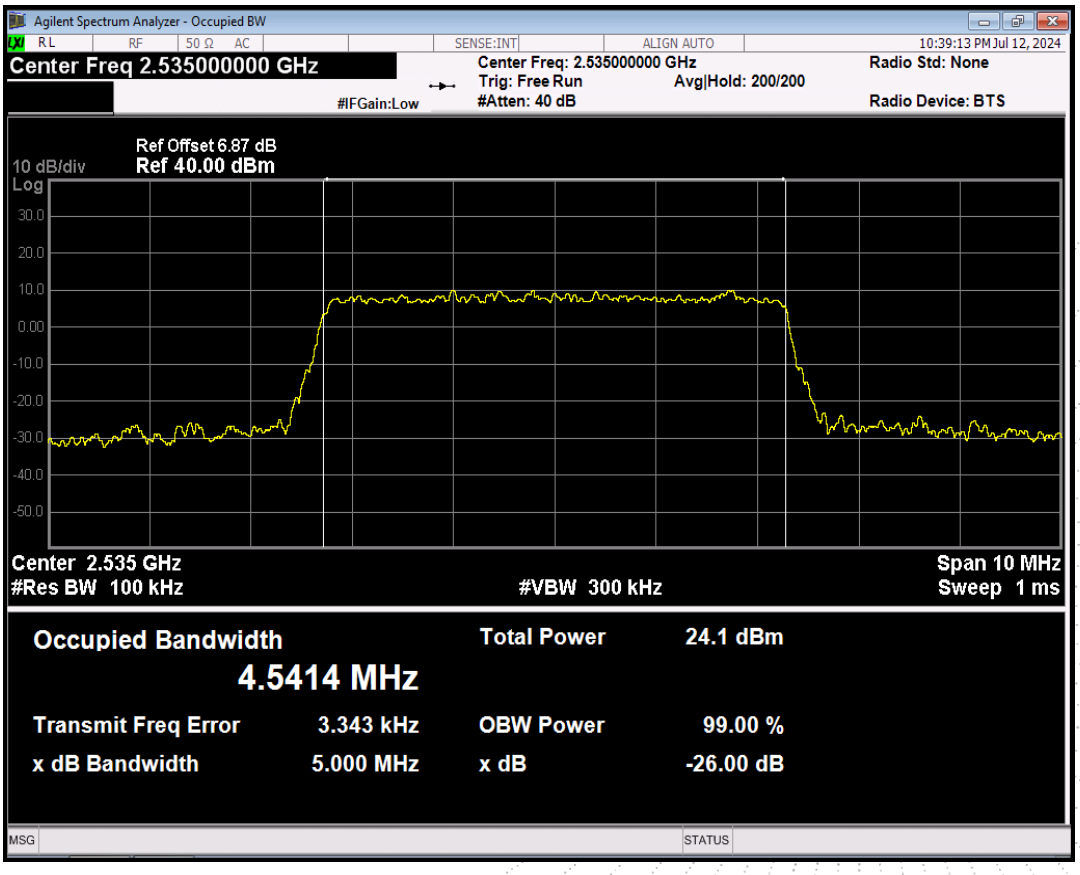
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



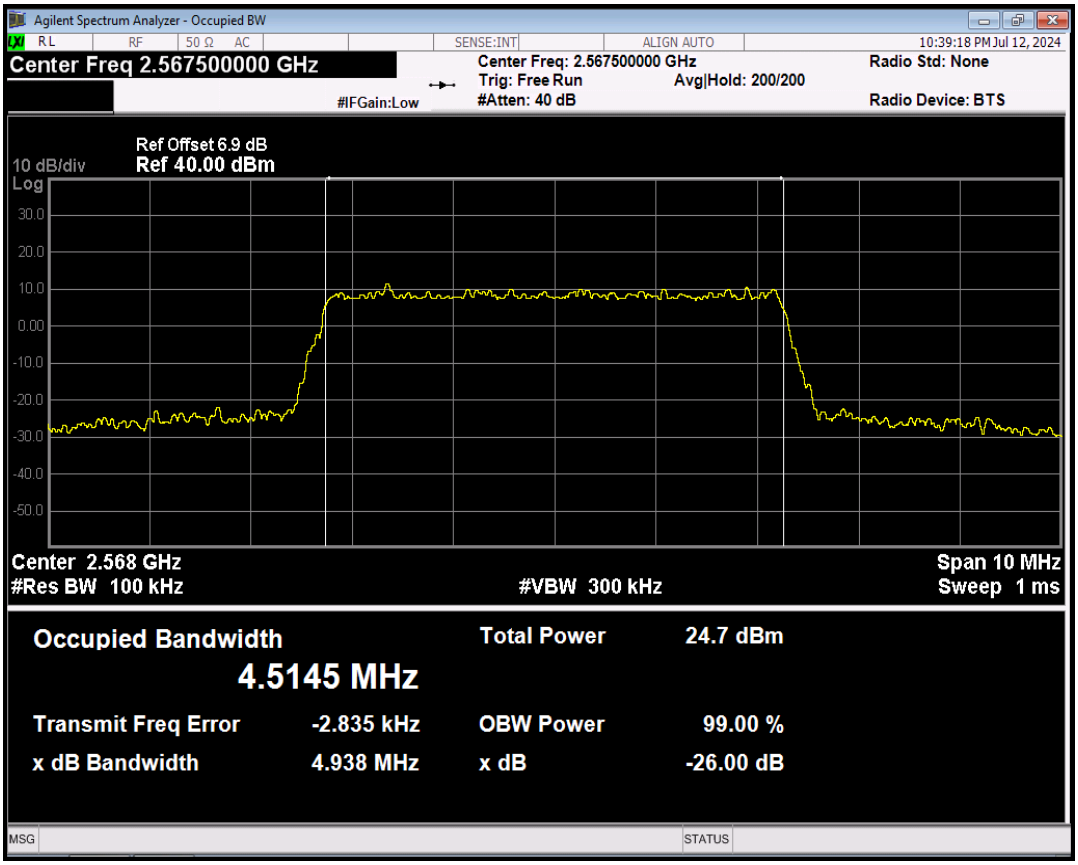
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



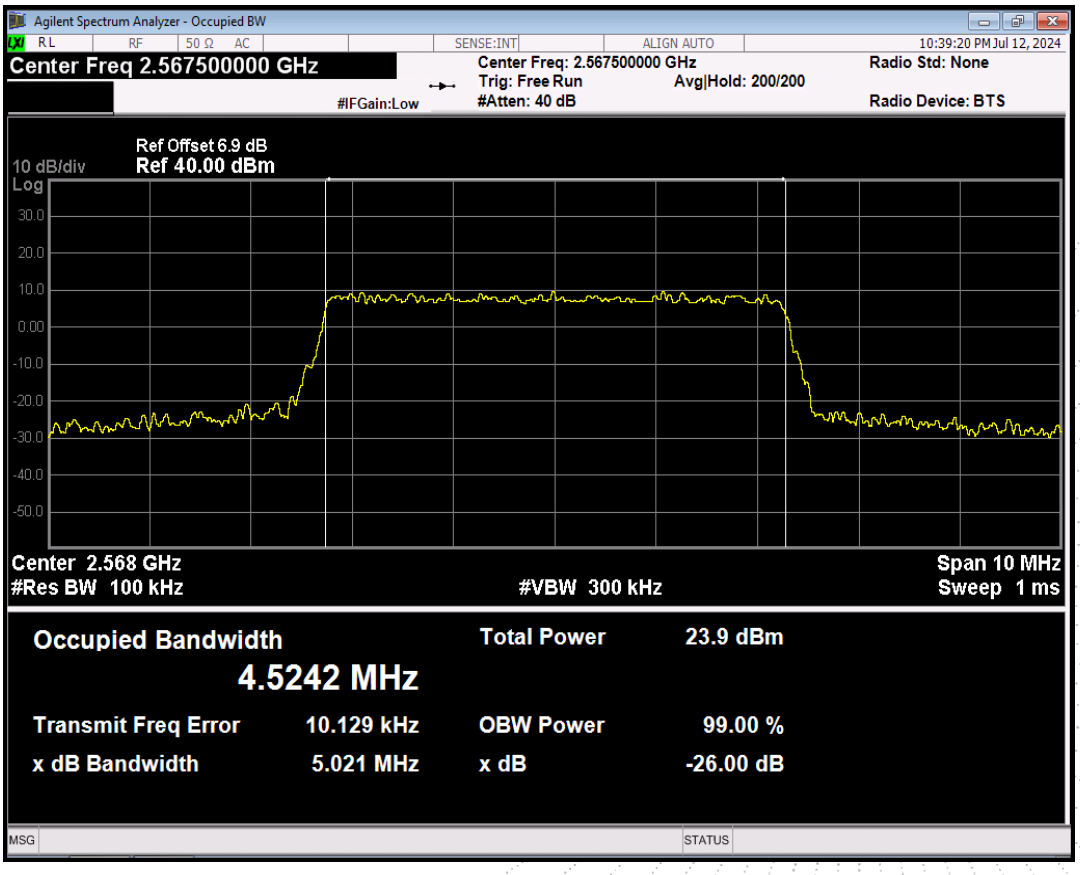
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



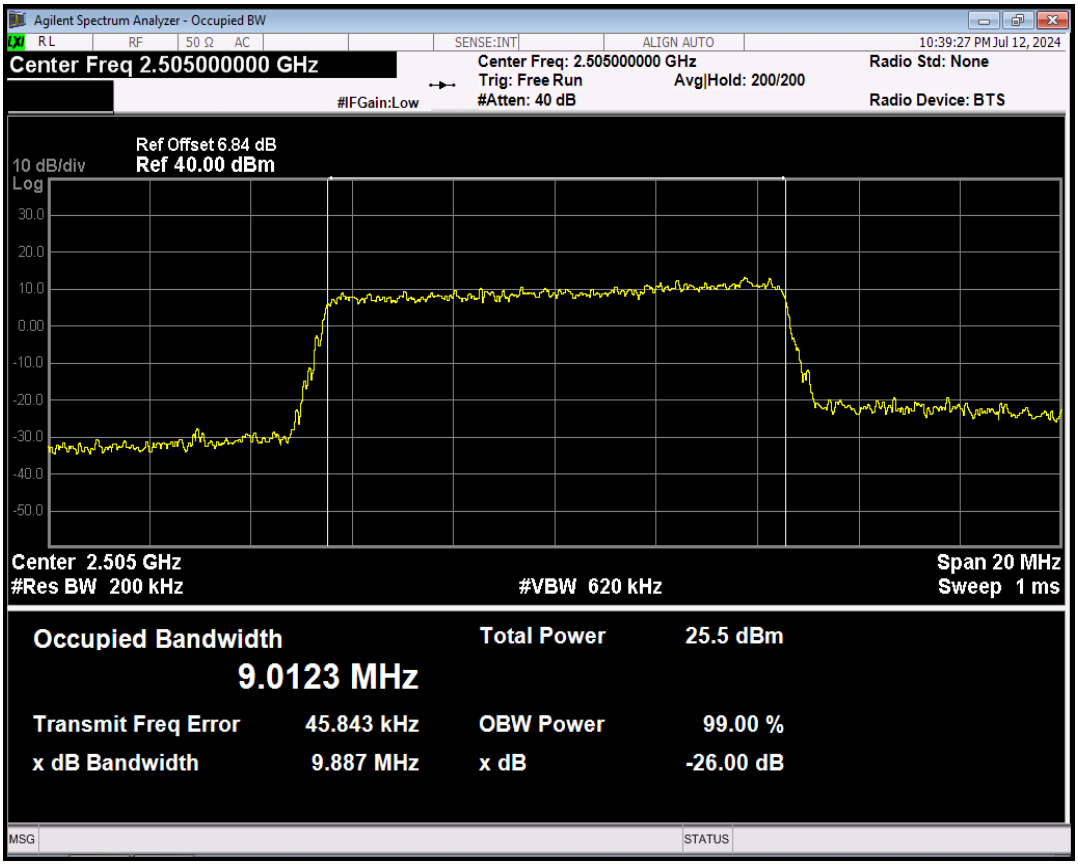
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



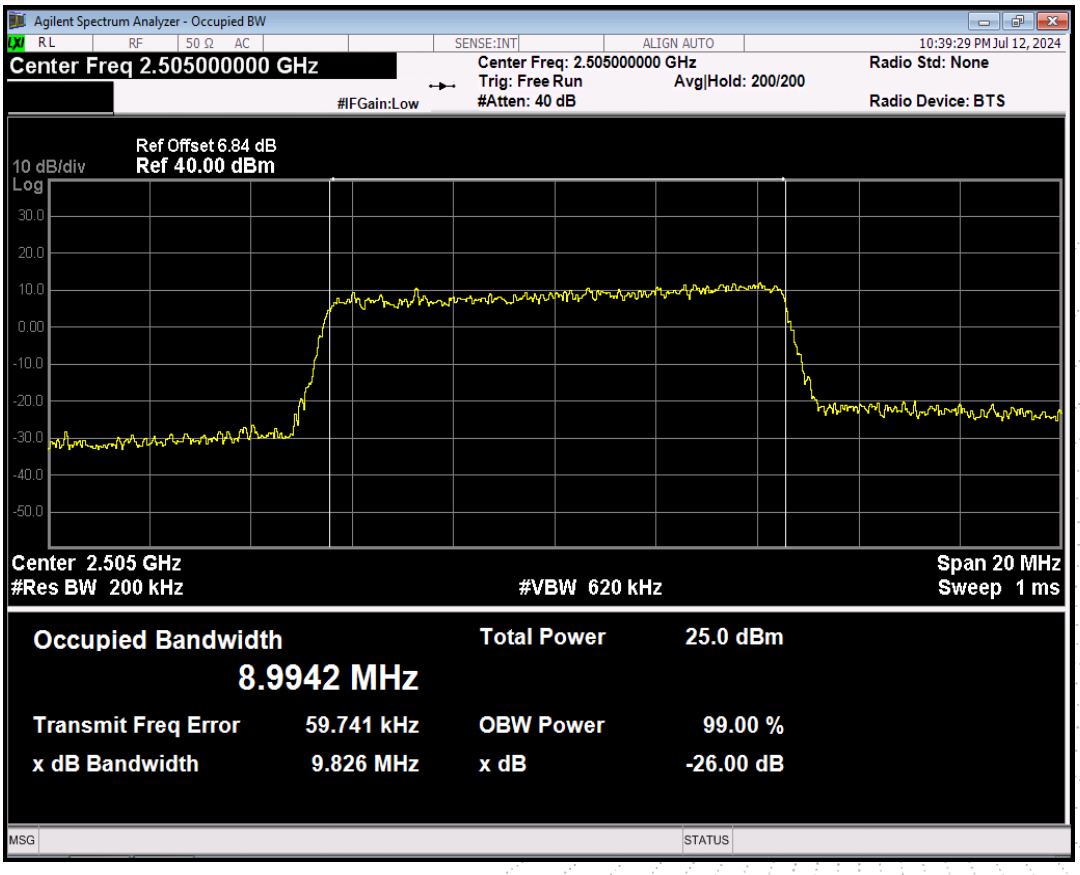
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



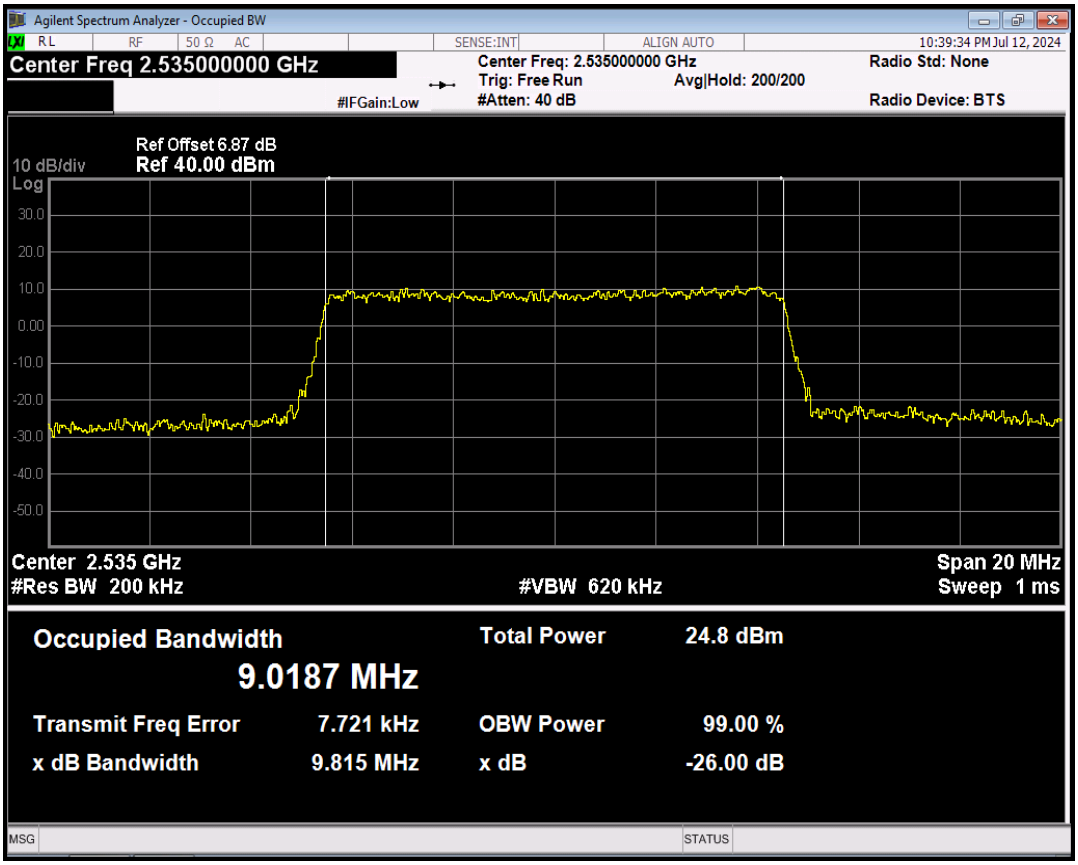
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



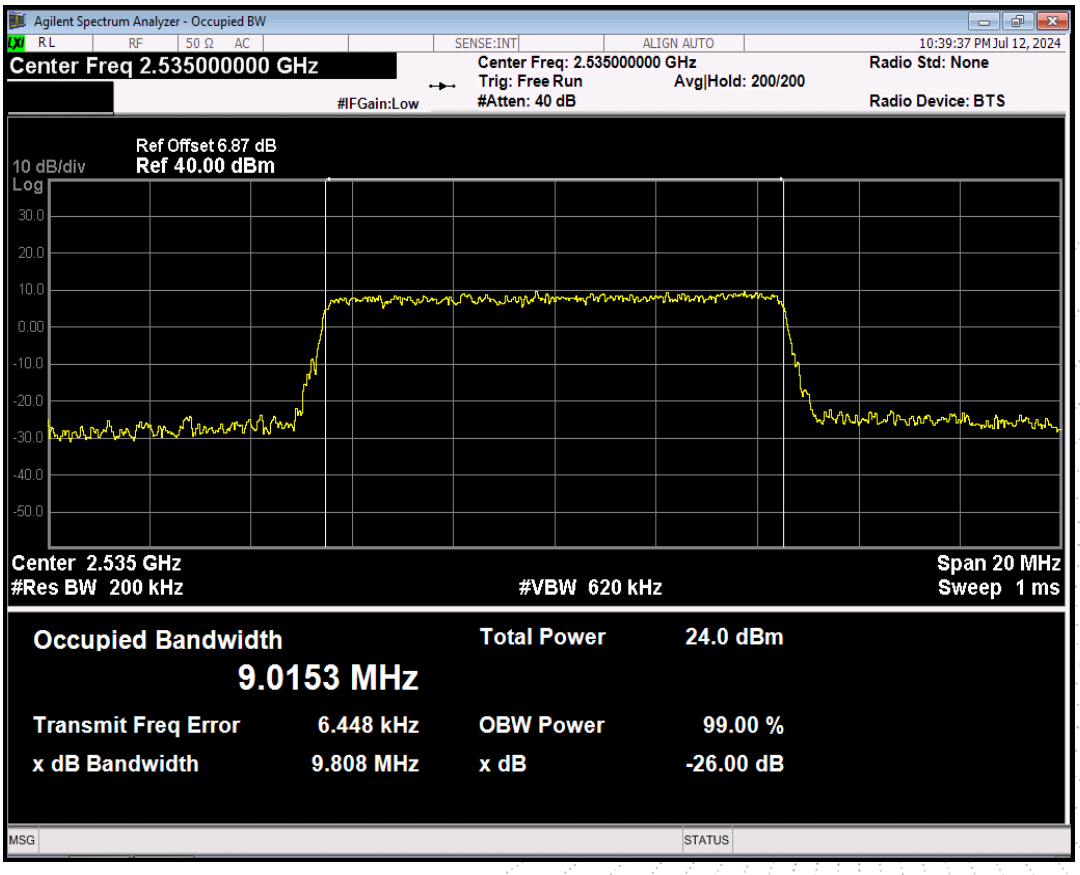
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0



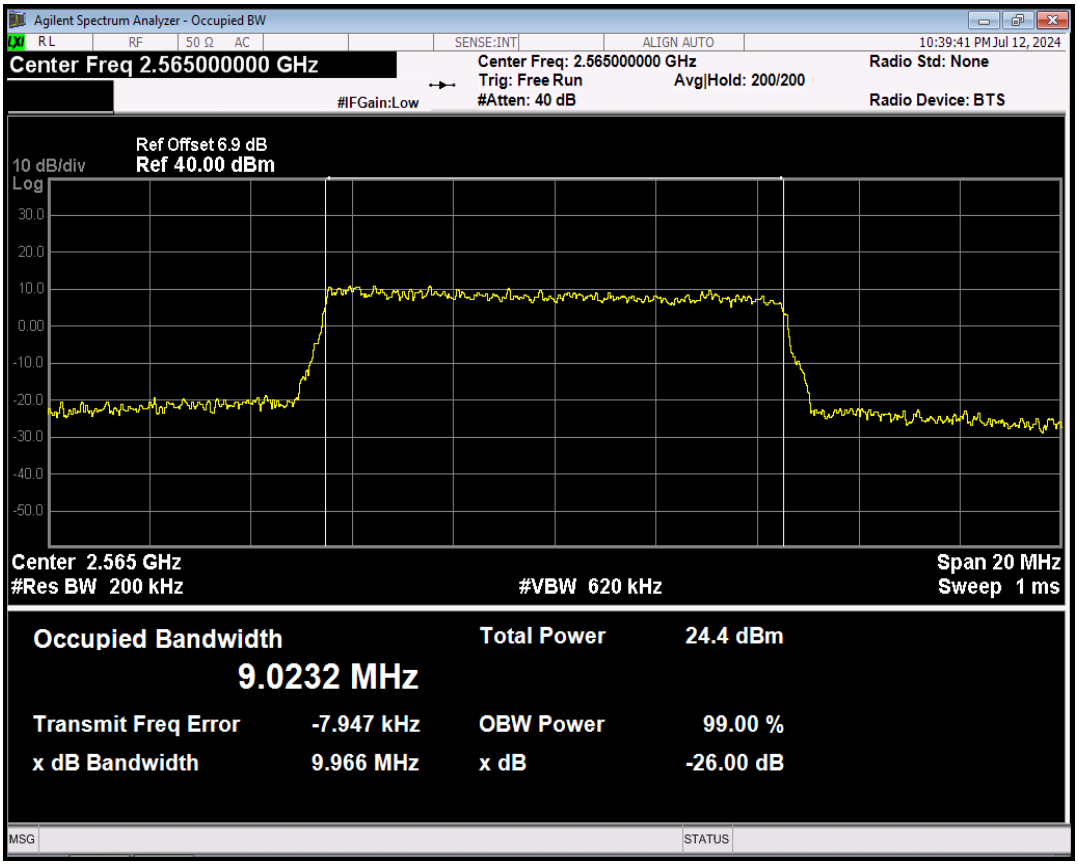
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



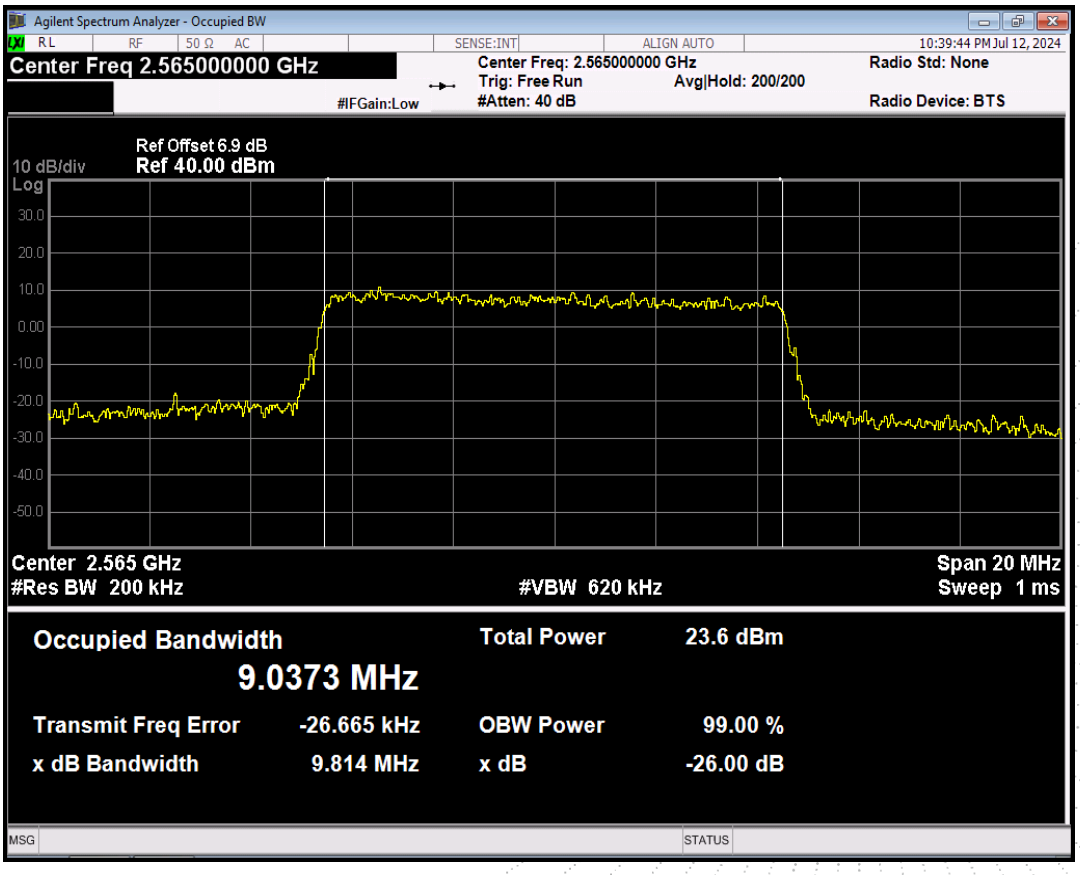
Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



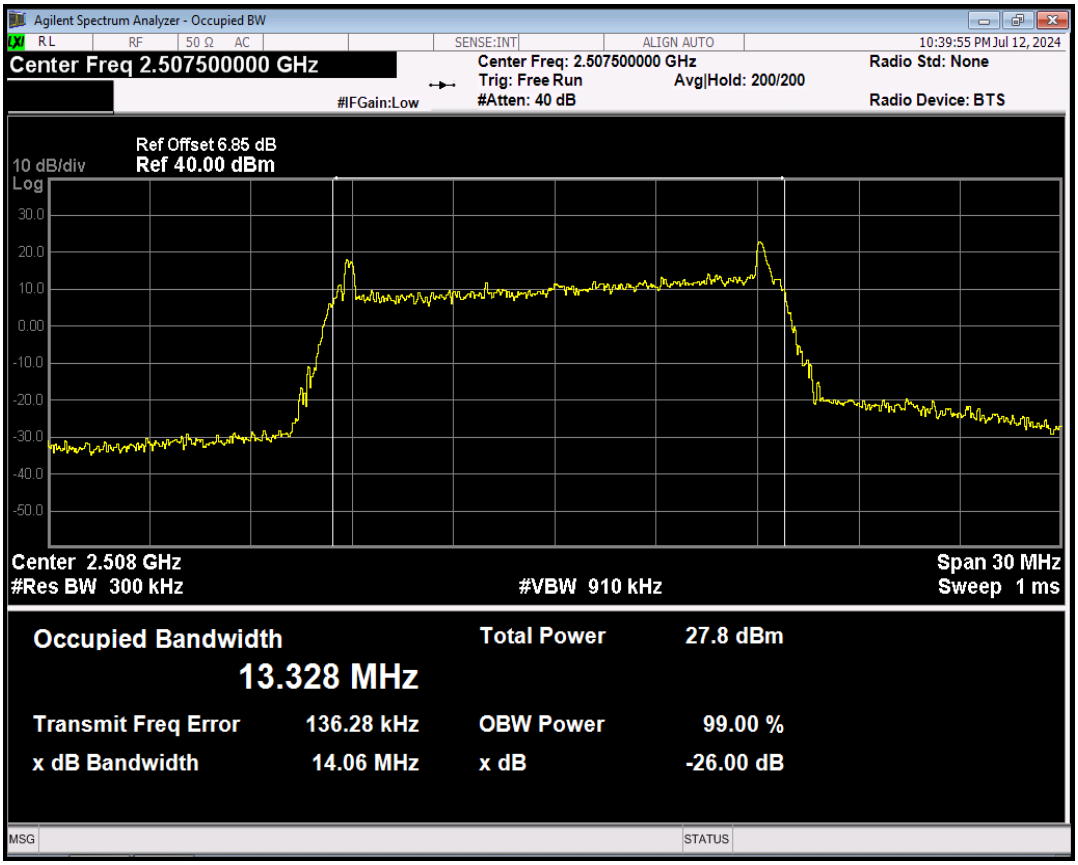
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



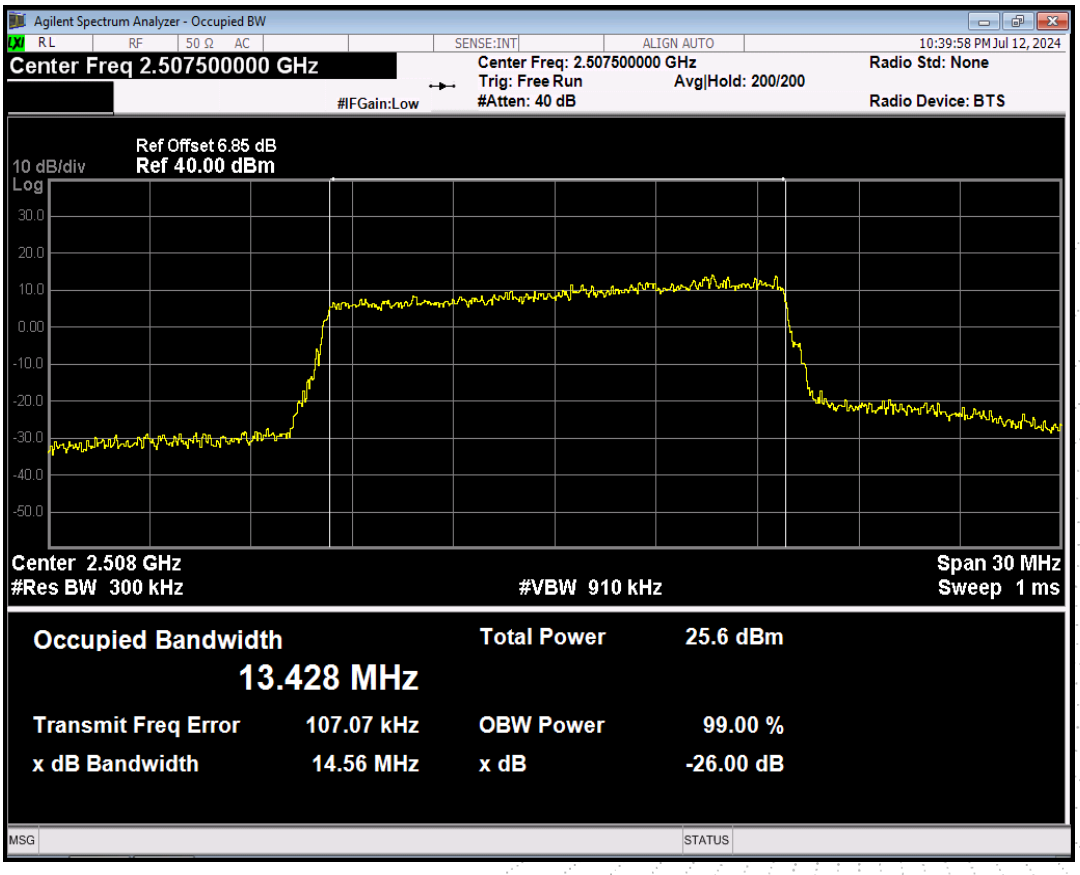
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



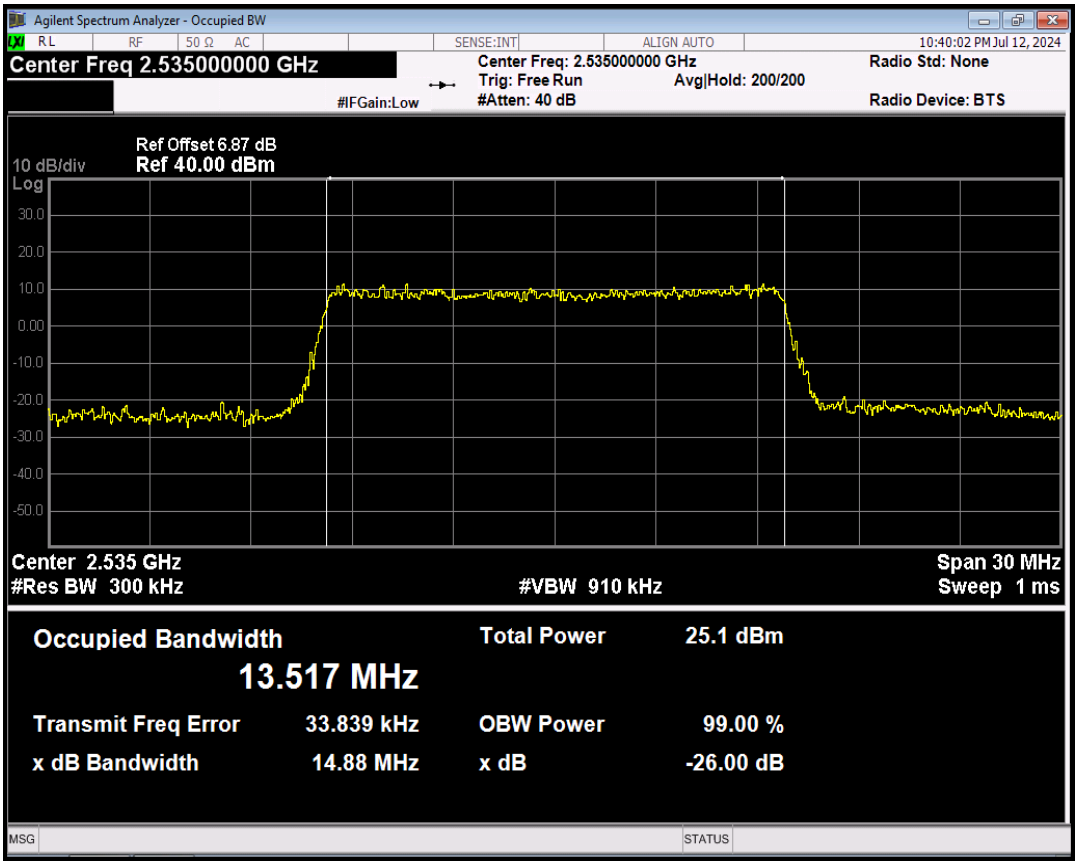
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



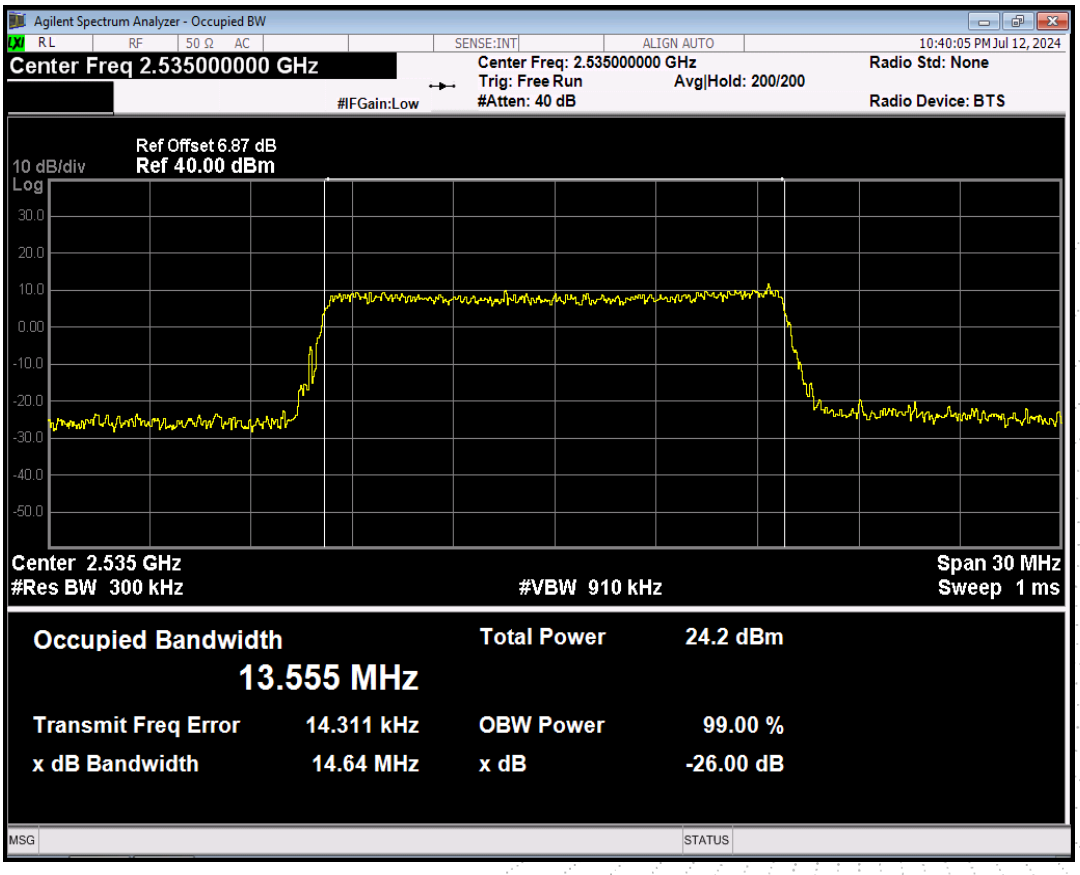
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



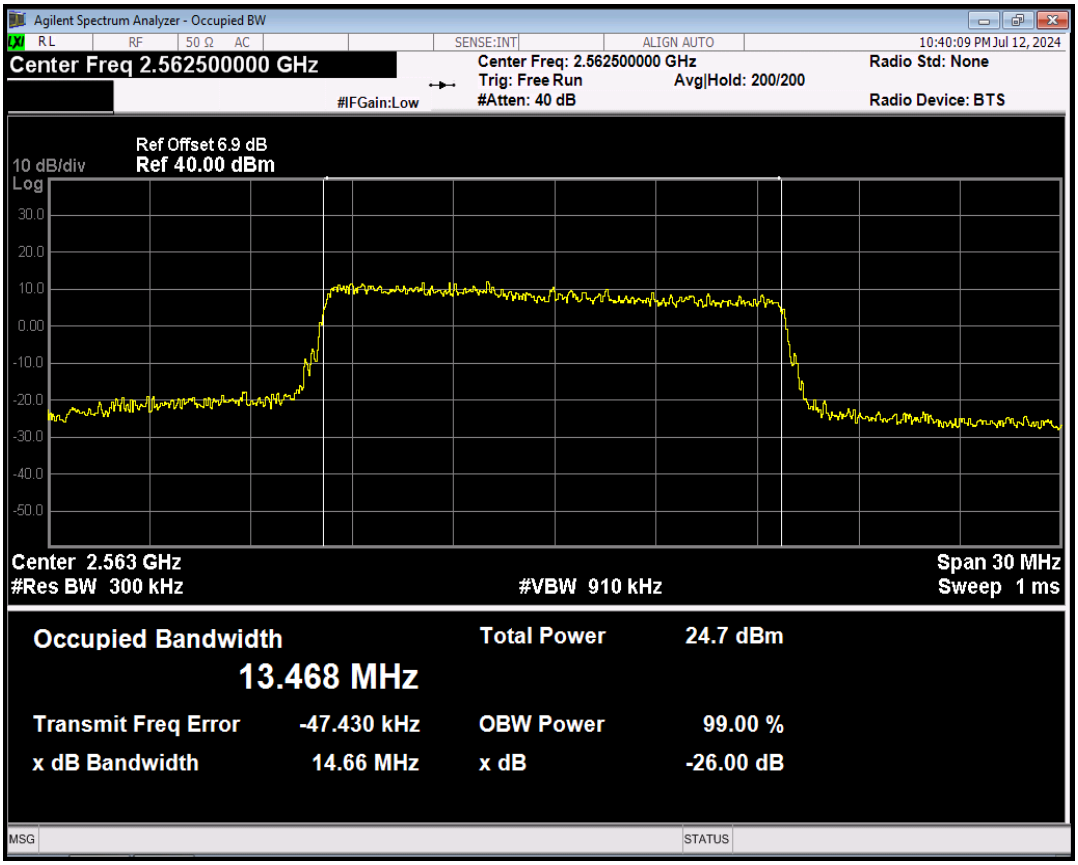
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



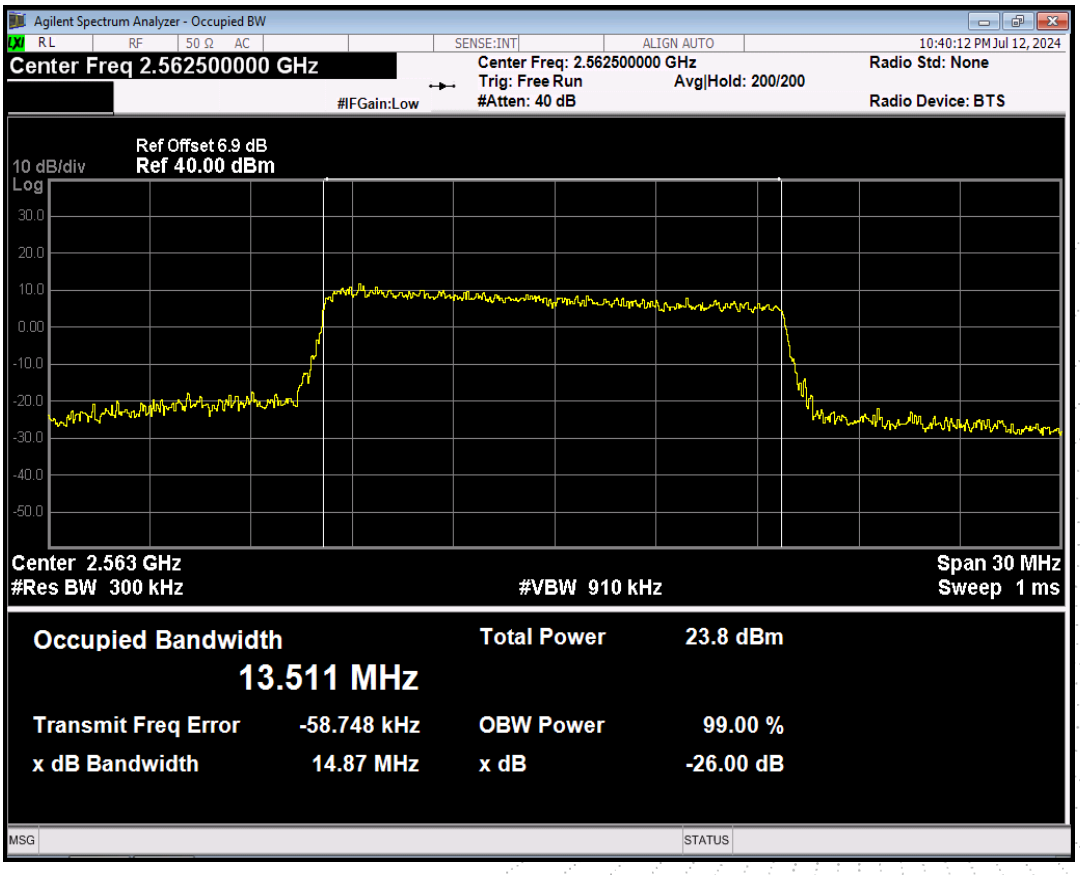
Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0



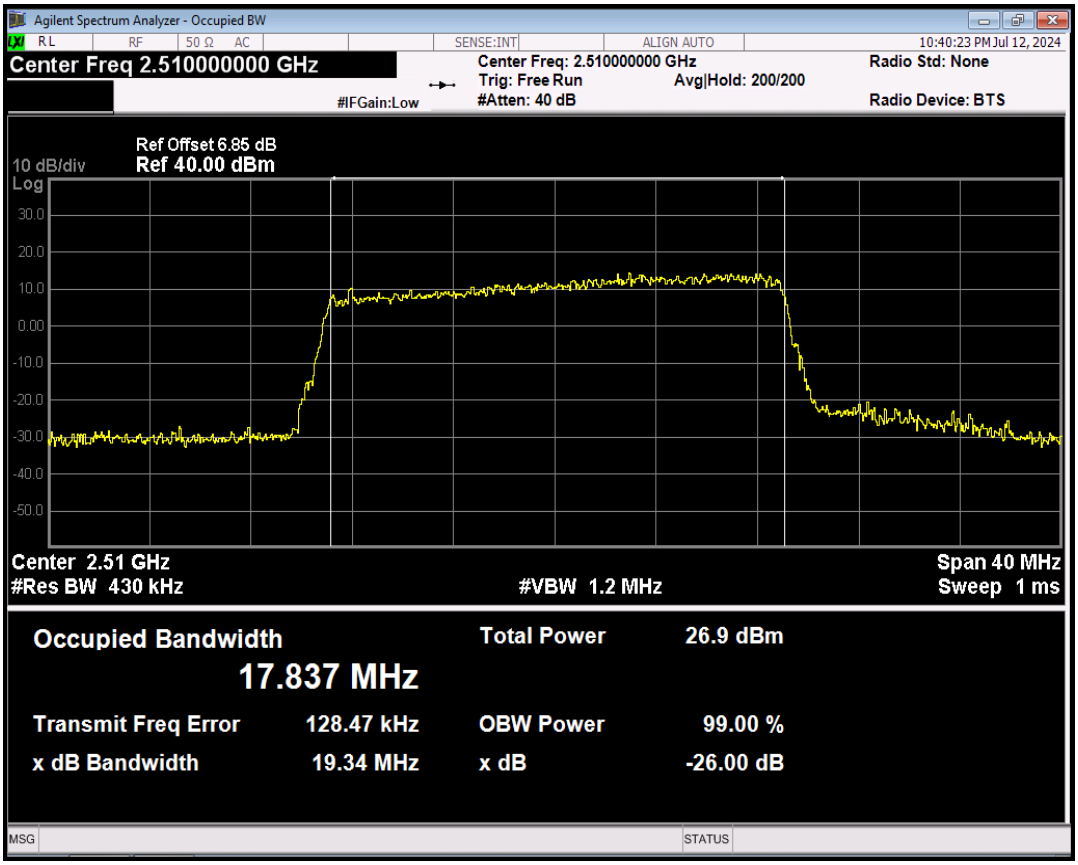
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



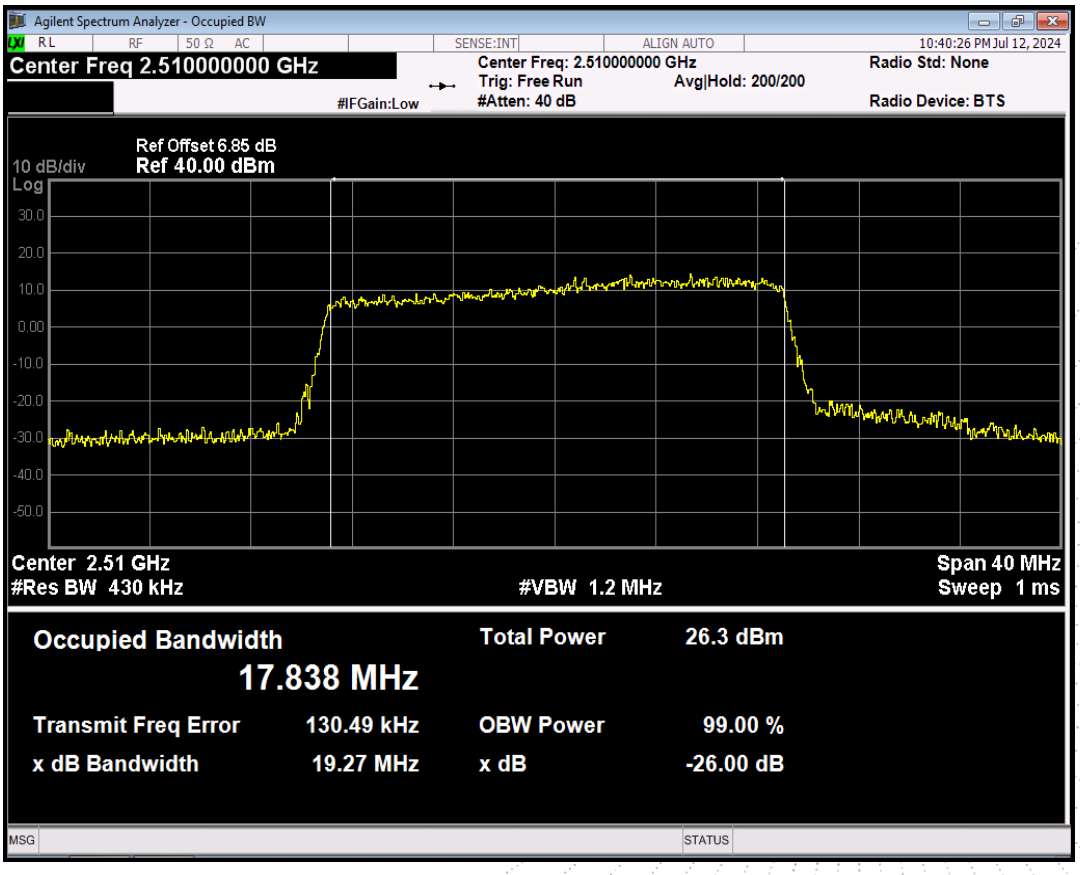
Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0



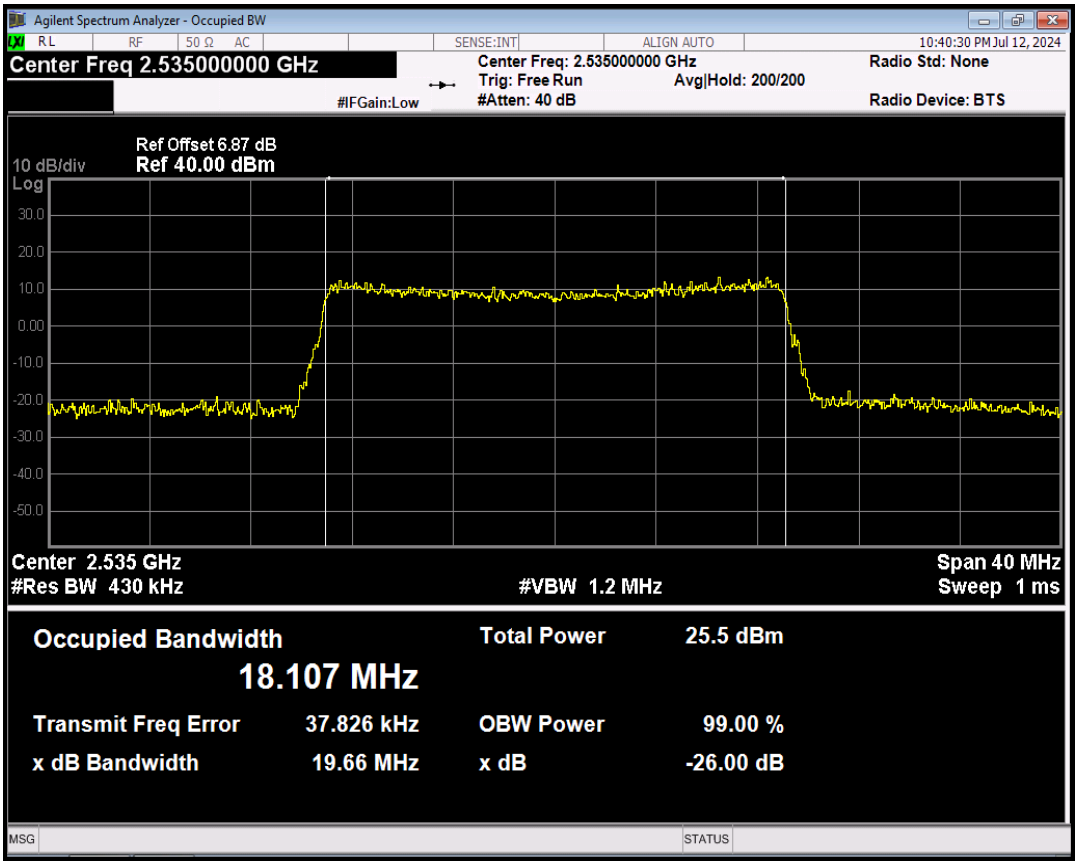
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



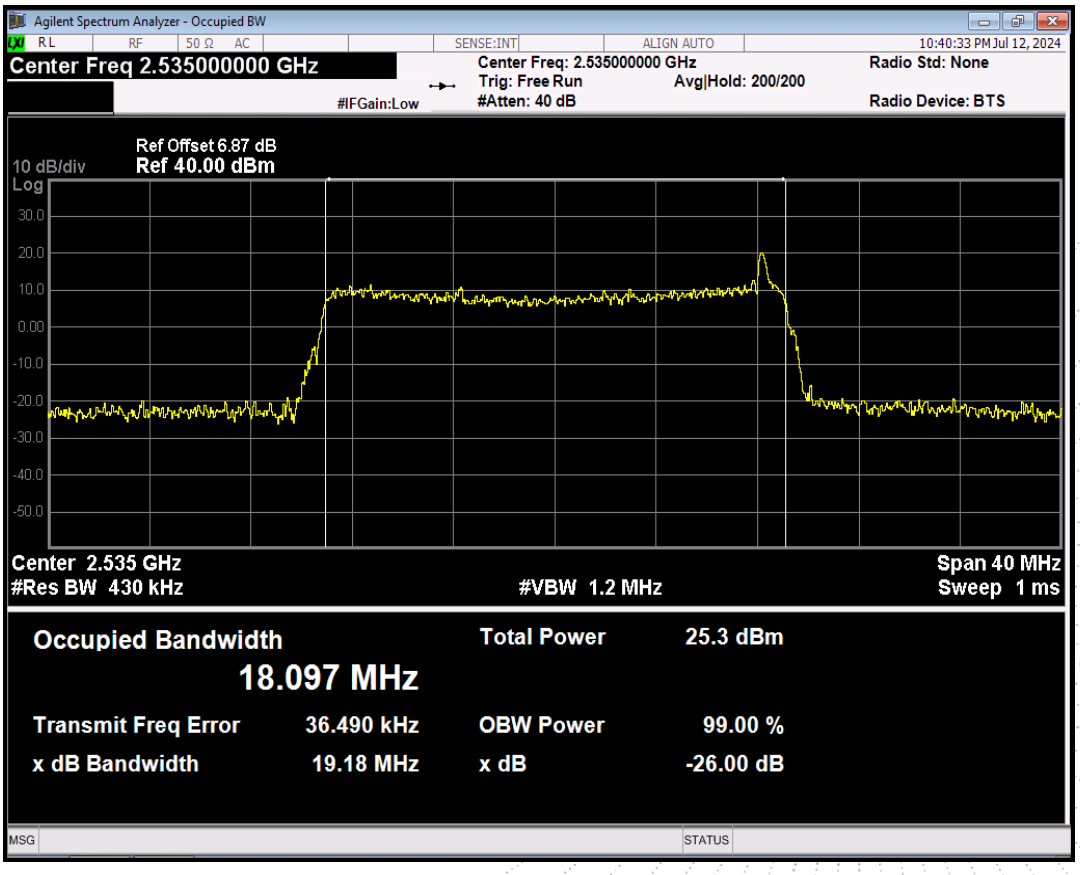
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0



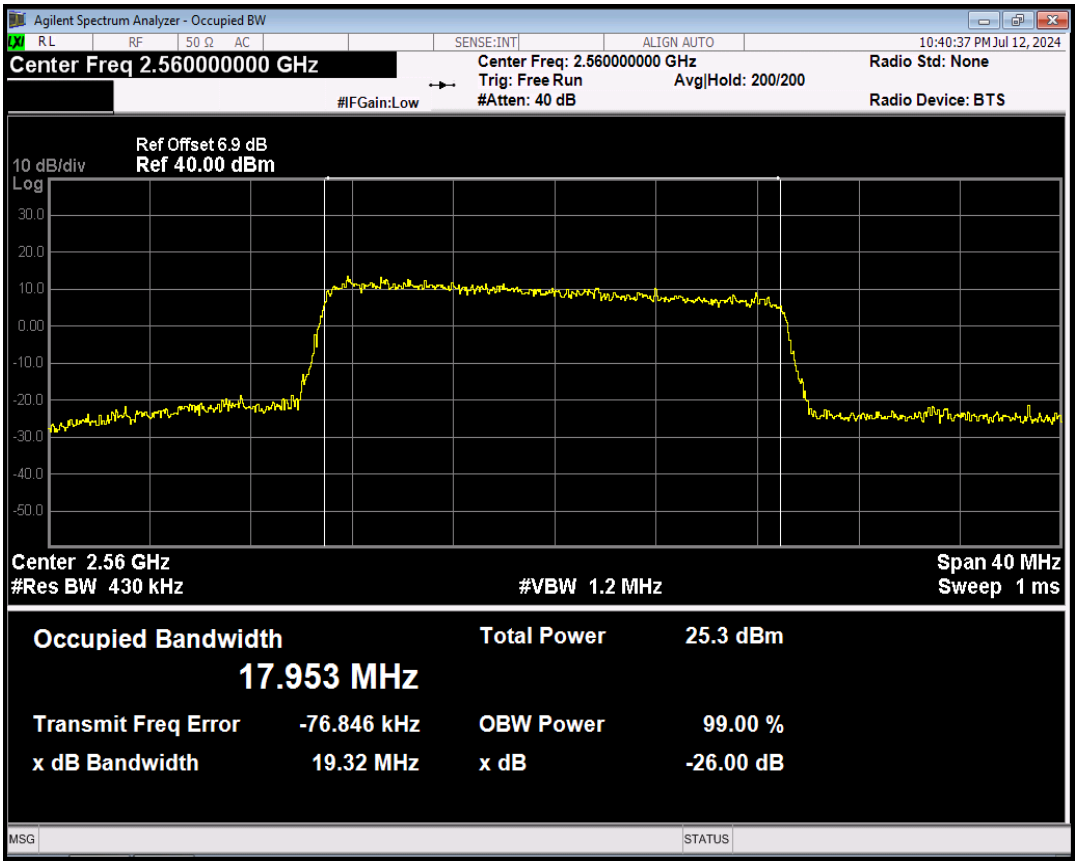
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



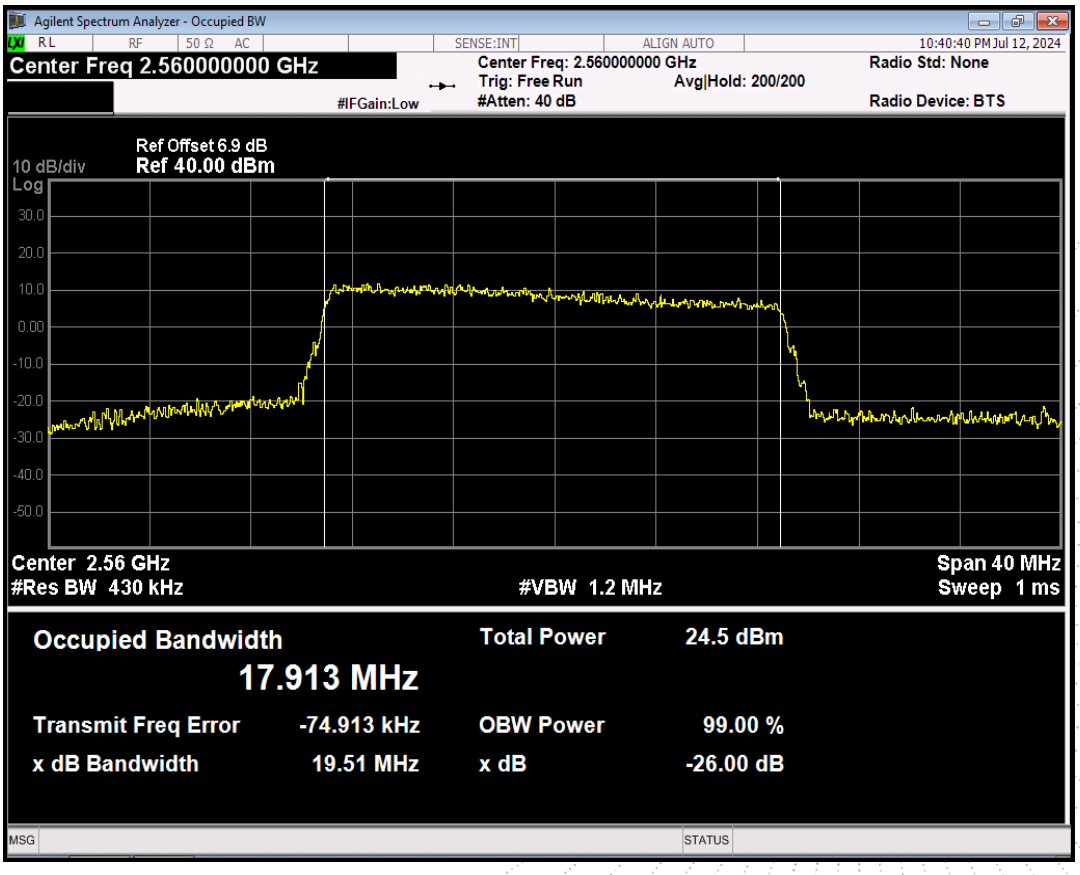
Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0



Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



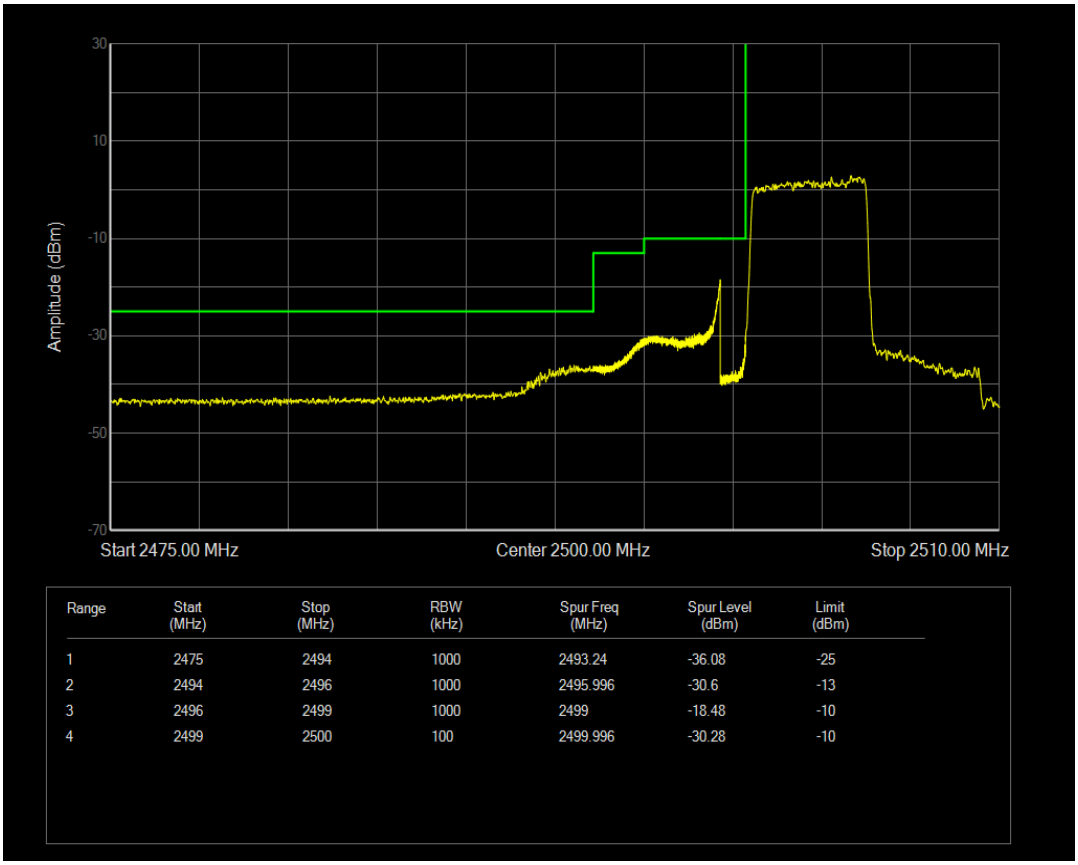
Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0



Appendix 5. Band edge

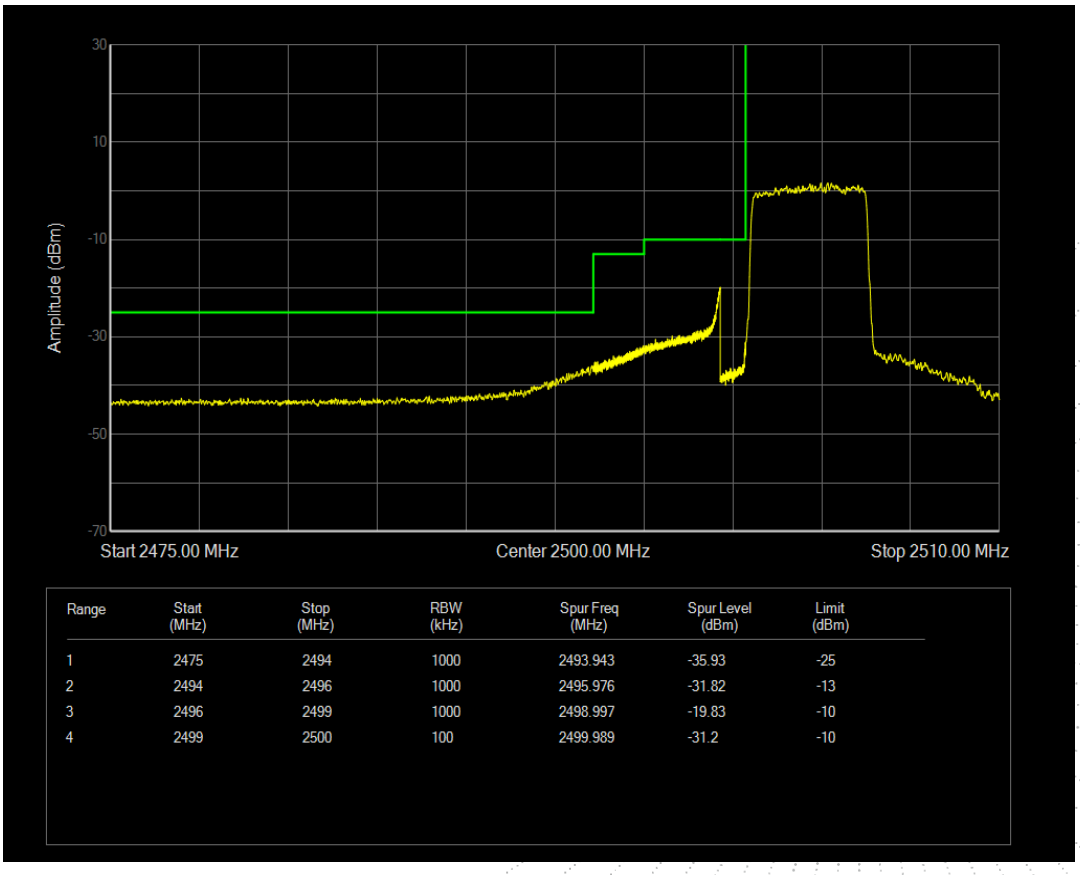
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2499.00	-18.48	-10	PASS
Band7	5	20775	25	#0	16QAM	2499.00	-19.83	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.03	-18.61	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.02	-20.22	-10	PASS
Band7	10	20800	50	#0	QPSK	2489.73	-38.14	-25	PASS
Band7	10	20800	50	#0	16QAM	2489.99	-36.30	-25	PASS
Band7	10	21400	50	#0	QPSK	2580.30	-37.42	-25	PASS
Band7	10	21400	50	#0	16QAM	2580.20	-35.34	-25	PASS
Band7	15	20825	75	#0	QPSK	2484.99	-41.52	-25	PASS
Band7	15	20825	75	#0	16QAM	2484.88	-40.81	-25	PASS
Band7	15	21375	75	#0	QPSK	2575.10	-27.16	-13	PASS
Band7	15	21375	75	#0	16QAM	2585.49	-38.90	-25	PASS
Band7	20	20850	100	#0	QPSK	2475.79	-42.55	-25	PASS
Band7	20	20850	100	#0	16QAM	2476.41	-42.47	-25	PASS
Band7	20	21350	100	#0	QPSK	2579.10	-28.19	-13	PASS
Band7	20	21350	100	#0	16QAM	2576.17	-29.10	-13	PASS

Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



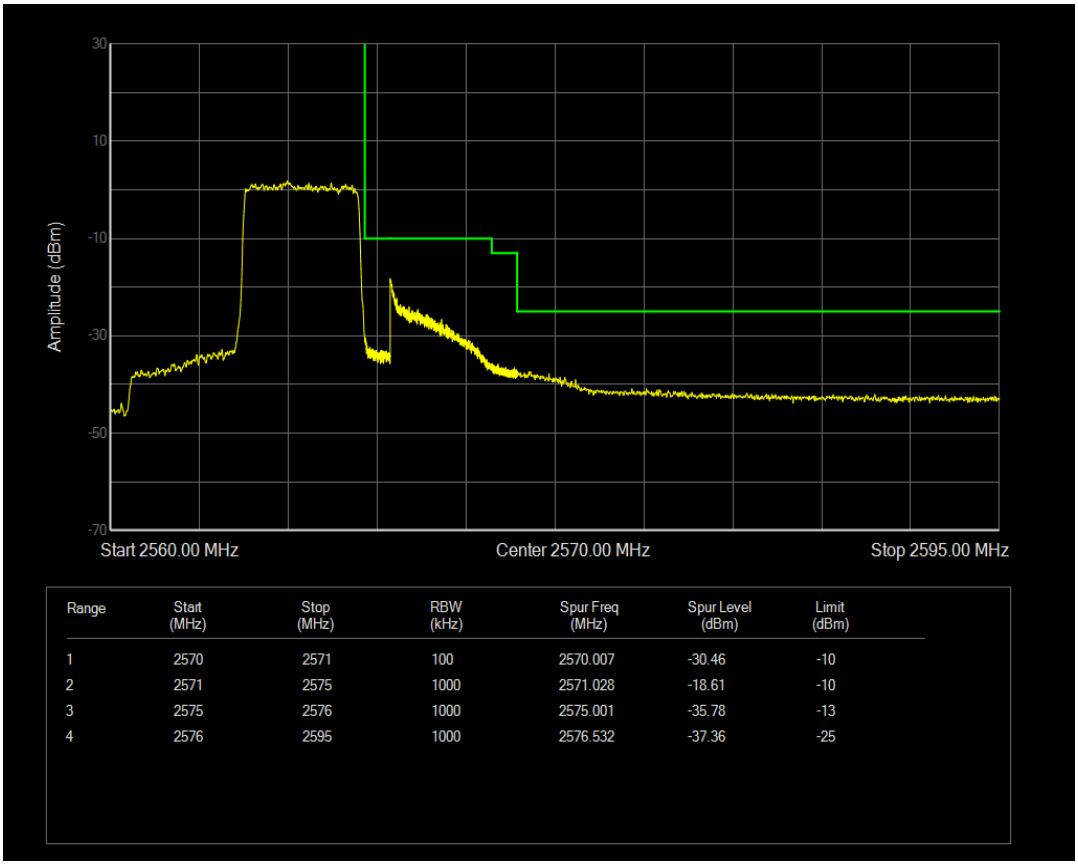
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2494	1000	2493.24	-36.08	-25
2	2494	2496	1000	2495.996	-30.6	-13
3	2496	2499	1000	2499	-18.48	-10
4	2499	2500	100	2499.996	-30.28	-10

Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



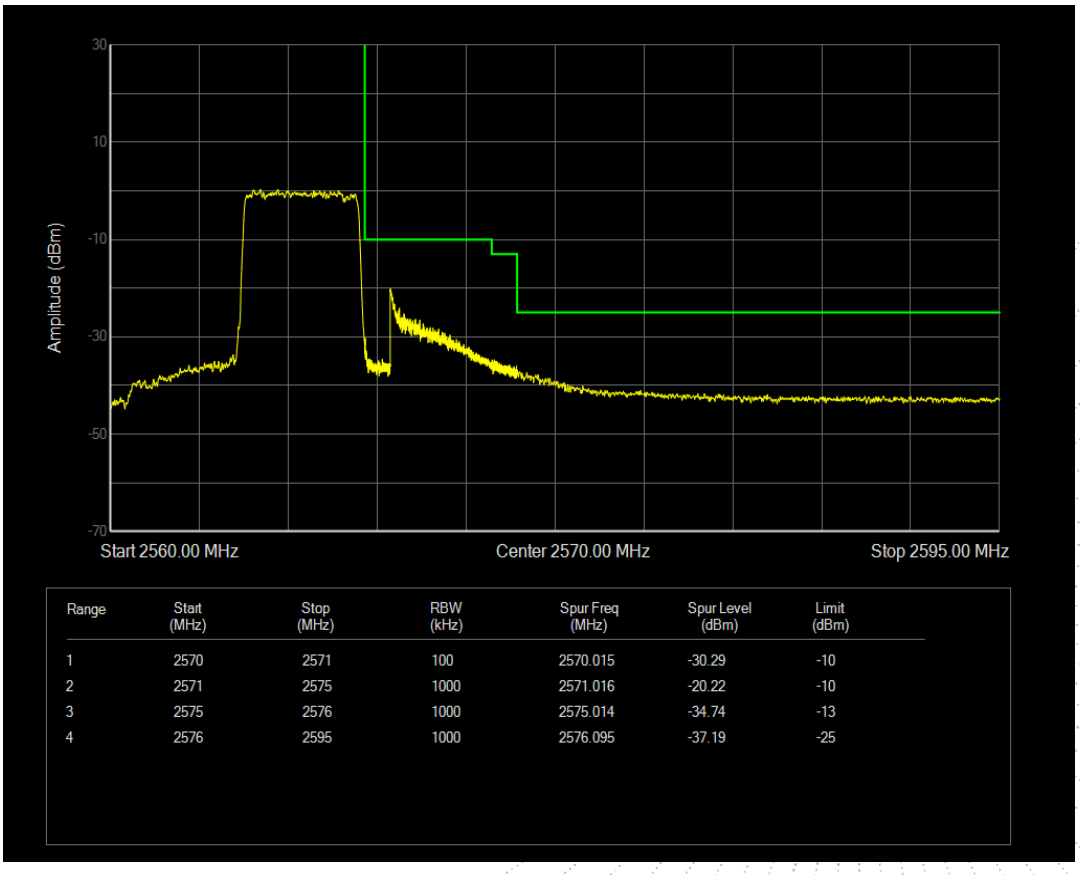
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2494	1000	2493.943	-35.93	-25
2	2494	2496	1000	2495.976	-31.82	-13
3	2496	2499	1000	2498.997	-19.83	-10
4	2499	2500	100	2499.989	-31.2	-10

Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



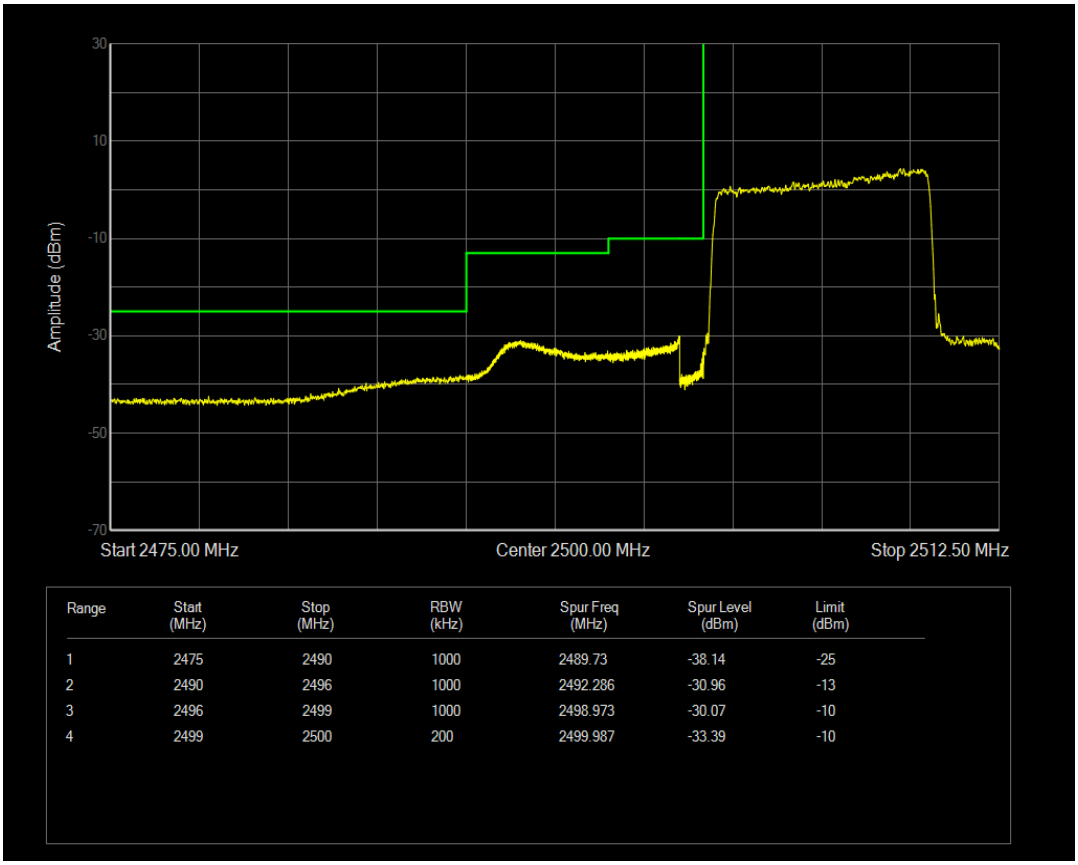
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	100	2570.007	-30.46	-10
2	2571	2575	1000	2571.028	-18.61	-10
3	2575	2576	1000	2575.001	-35.78	-13
4	2576	2595	1000	2576.532	-37.36	-25

Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



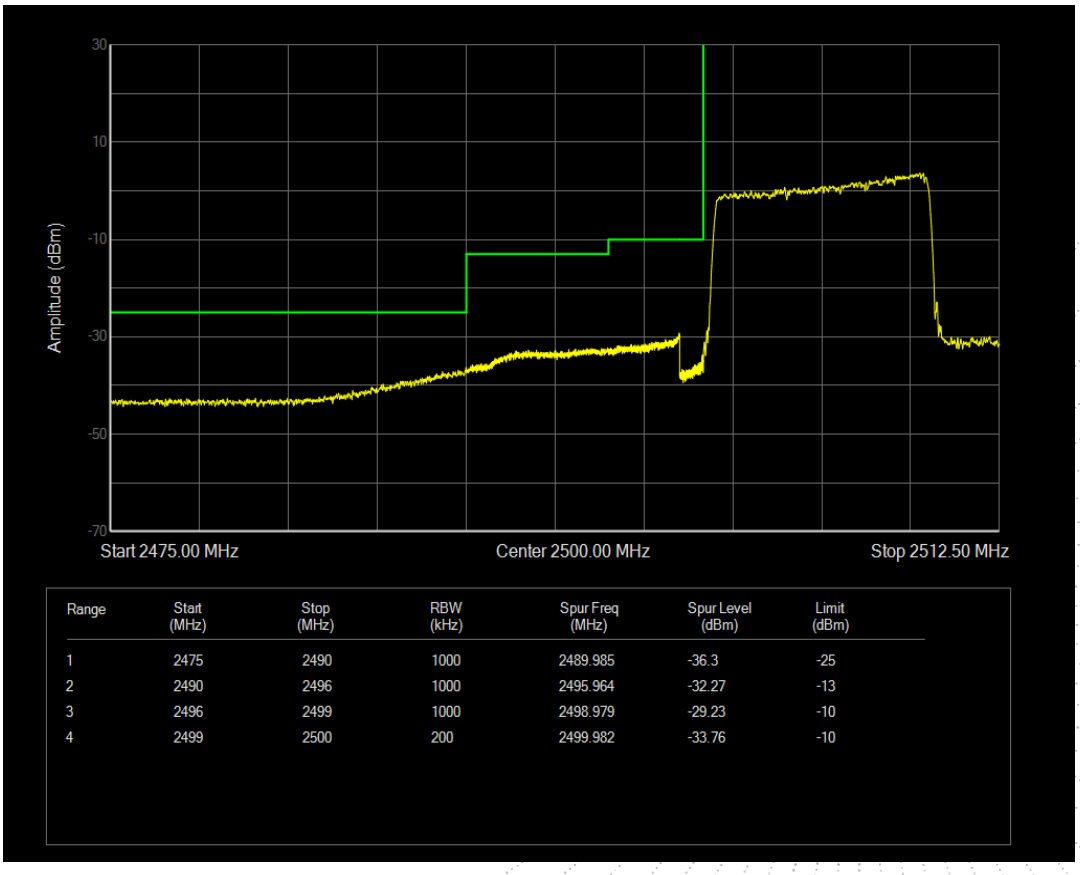
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	100	2570.015	-30.29	-10
2	2571	2575	1000	2571.016	-20.22	-10
3	2575	2576	1000	2575.014	-34.74	-13
4	2576	2595	1000	2576.095	-37.19	-25

Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



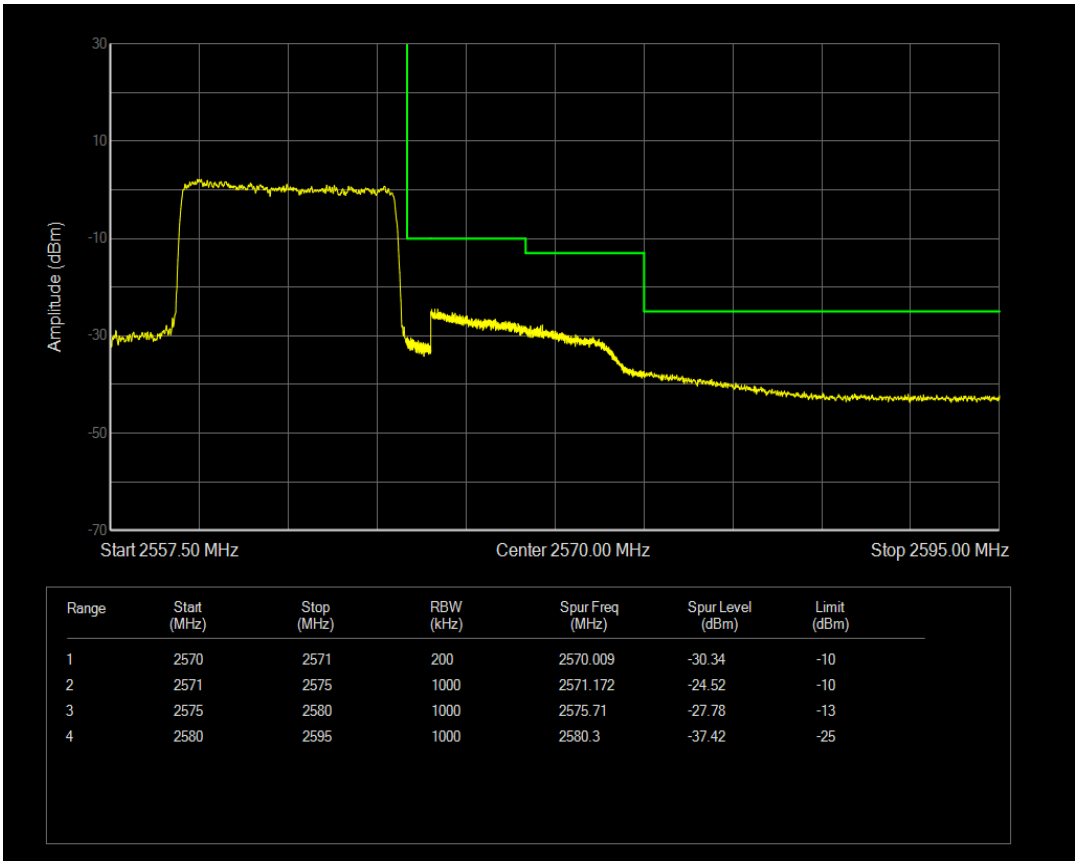
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490	1000	2489.73	-38.14	-25
2	2490	2496	1000	2492.286	-30.96	-13
3	2496	2499	1000	2498.973	-30.07	-10
4	2499	2500	200	2499.987	-33.39	-10

Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0



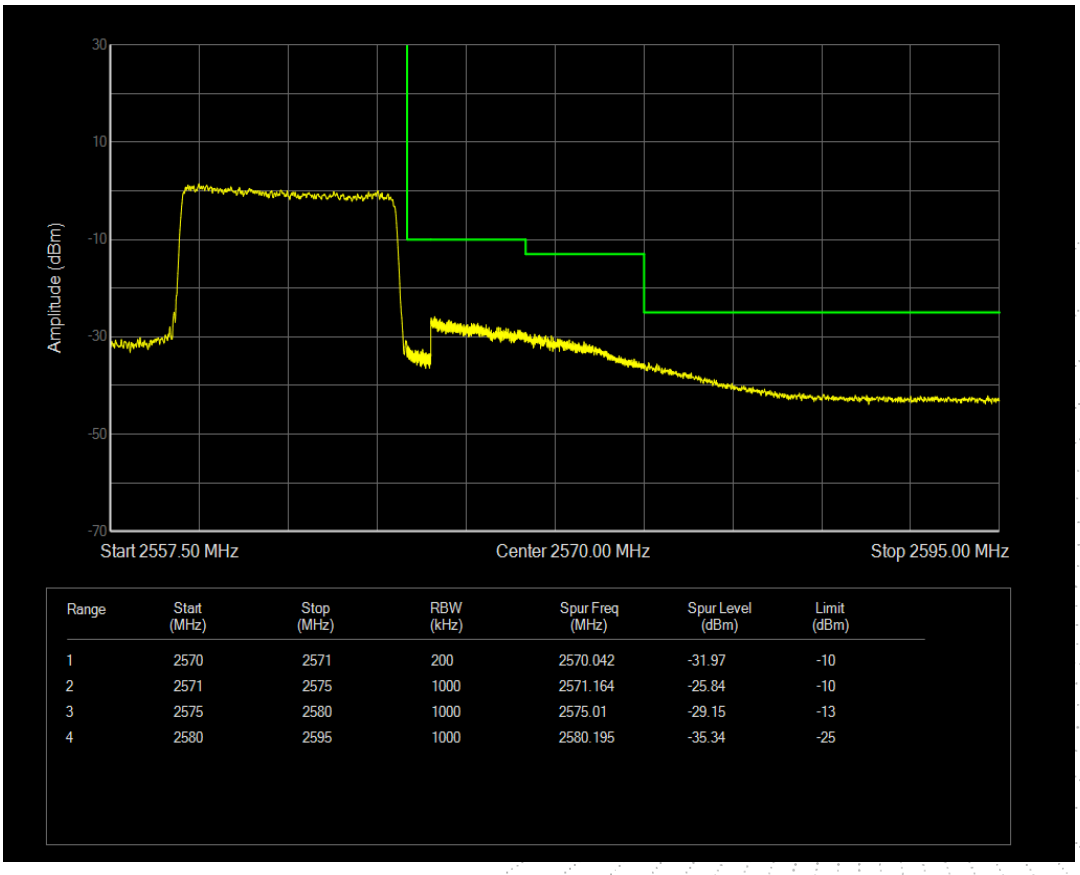
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490	1000	2489.985	-36.3	-25
2	2490	2496	1000	2495.964	-32.27	-13
3	2496	2499	1000	2498.979	-29.23	-10
4	2499	2500	200	2499.982	-33.76	-10

Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



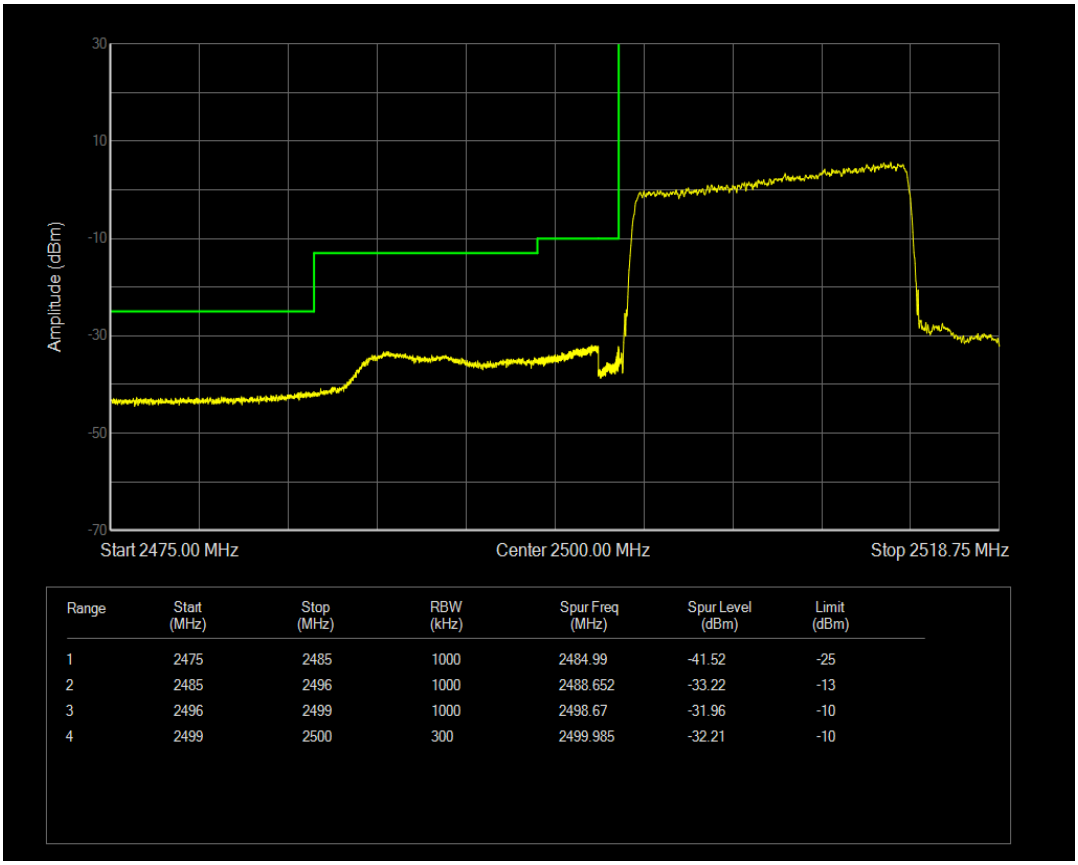
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	200	2570.009	-30.34	-10
2	2571	2575	1000	2571.172	-24.52	-10
3	2575	2580	1000	2575.71	-27.78	-13
4	2580	2595	1000	2580.3	-37.42	-25

Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



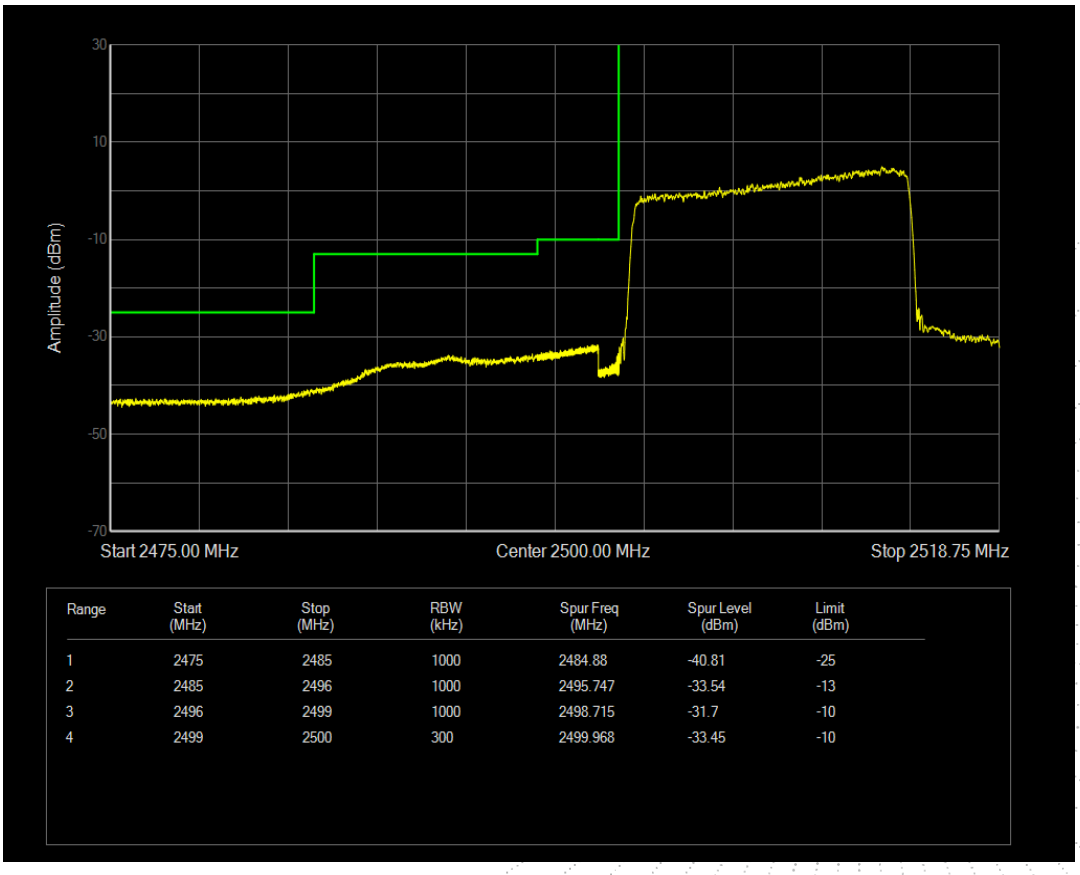
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	200	2570.042	-31.97	-10
2	2571	2575	1000	2571.164	-25.84	-10
3	2575	2580	1000	2575.01	-29.15	-13
4	2580	2595	1000	2580.195	-35.34	-25

Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



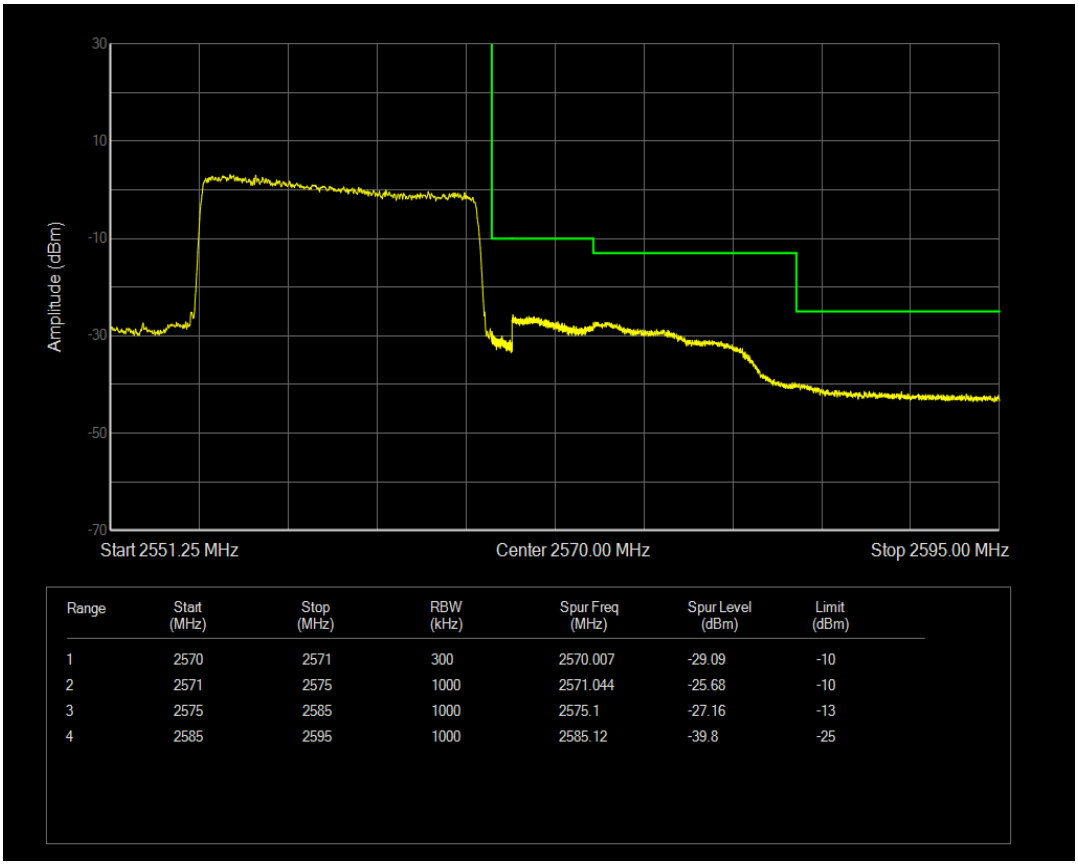
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2485	1000	2484.99	-41.52	-25
2	2485	2496	1000	2488.652	-33.22	-13
3	2496	2499	1000	2498.67	-31.96	-10
4	2499	2500	300	2499.985	-32.21	-10

Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



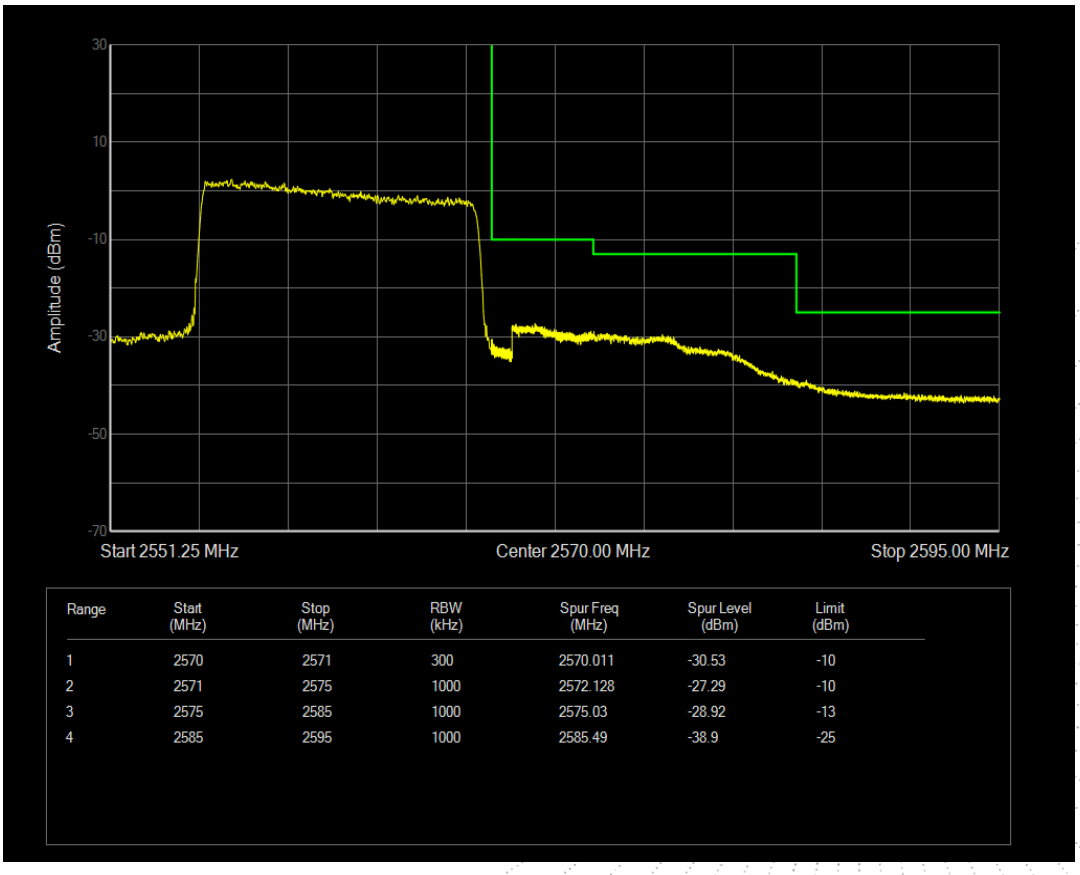
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2485	1000	2484.88	-40.81	-25
2	2485	2496	1000	2495.747	-33.54	-13
3	2496	2499	1000	2498.715	-31.7	-10
4	2499	2500	300	2499.968	-33.45	-10

Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



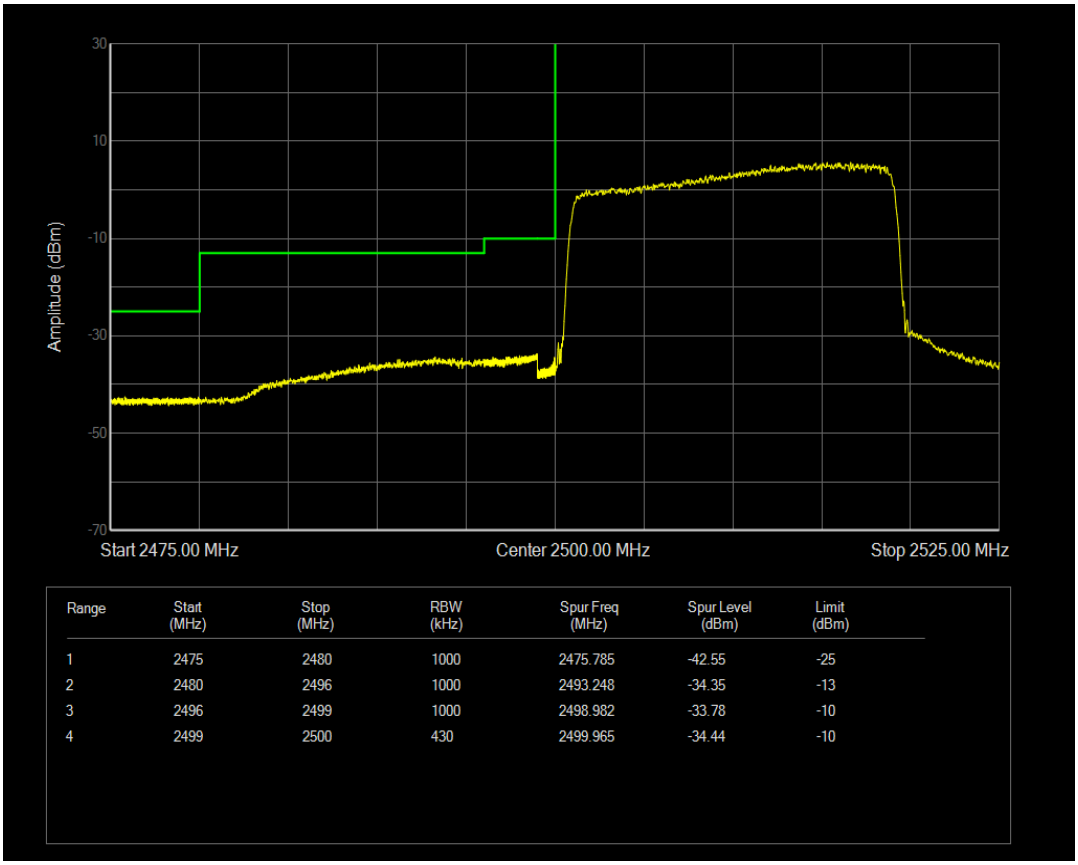
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	300	2570.007	-29.09	-10
2	2571	2575	1000	2571.044	-25.68	-10
3	2575	2585	1000	2575.1	-27.16	-13
4	2585	2595	1000	2585.12	-39.8	-25

Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0



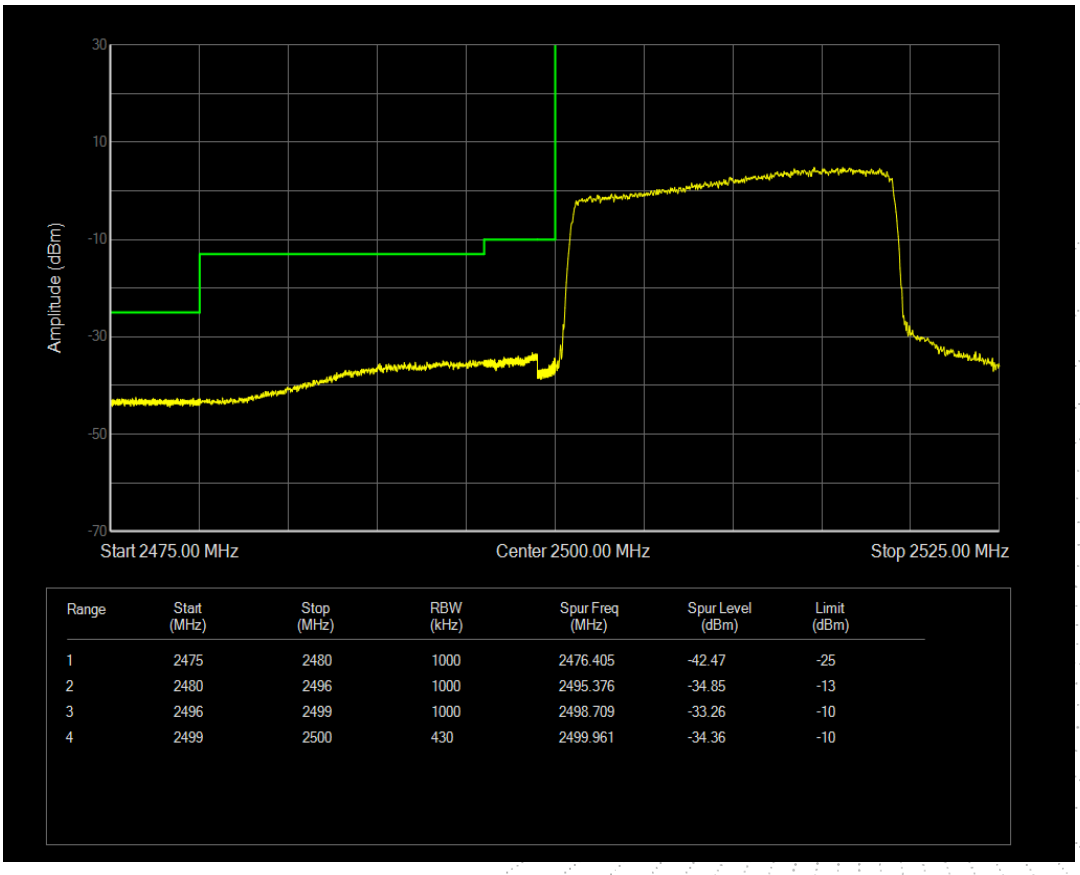
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	300	2570.011	-30.53	-10
2	2571	2575	1000	2572.128	-27.29	-10
3	2575	2585	1000	2575.03	-28.92	-13
4	2585	2595	1000	2585.49	-38.9	-25

Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



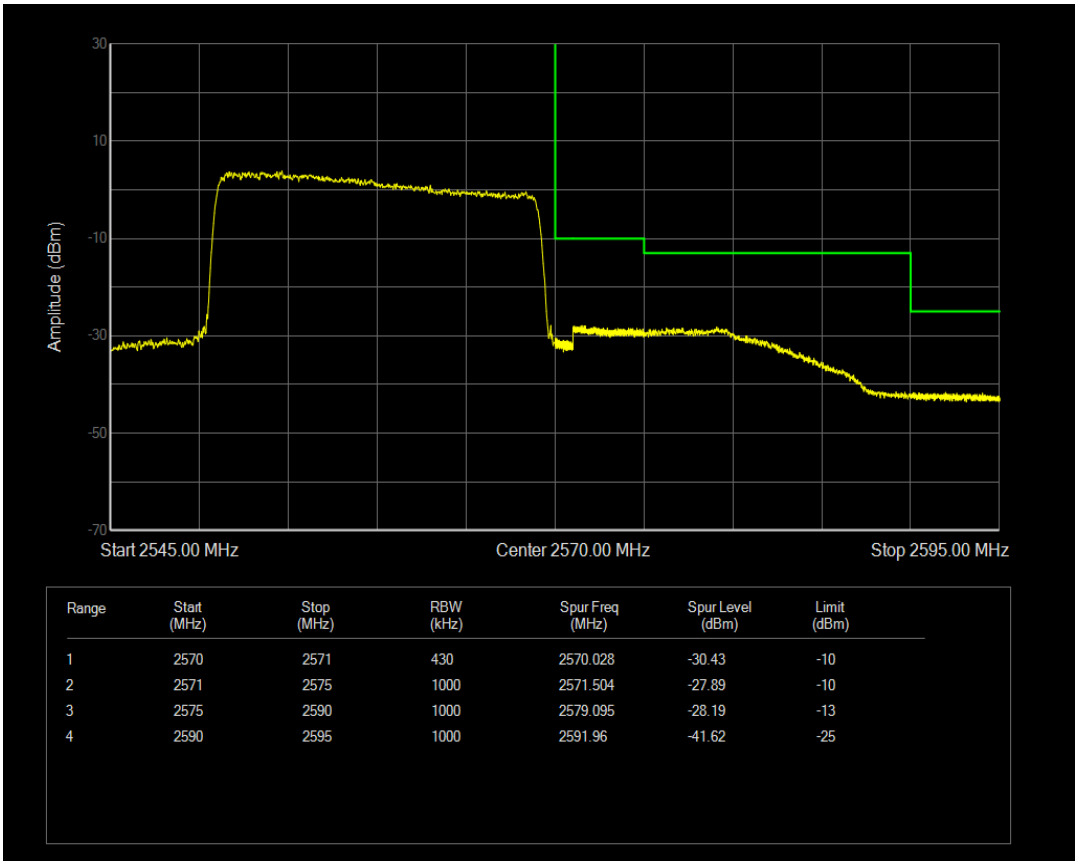
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2480	1000	2475.785	-42.55	-25
2	2480	2496	1000	2493.248	-34.35	-13
3	2496	2499	1000	2498.982	-33.78	-10
4	2499	2500	430	2499.965	-34.44	-10

Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0



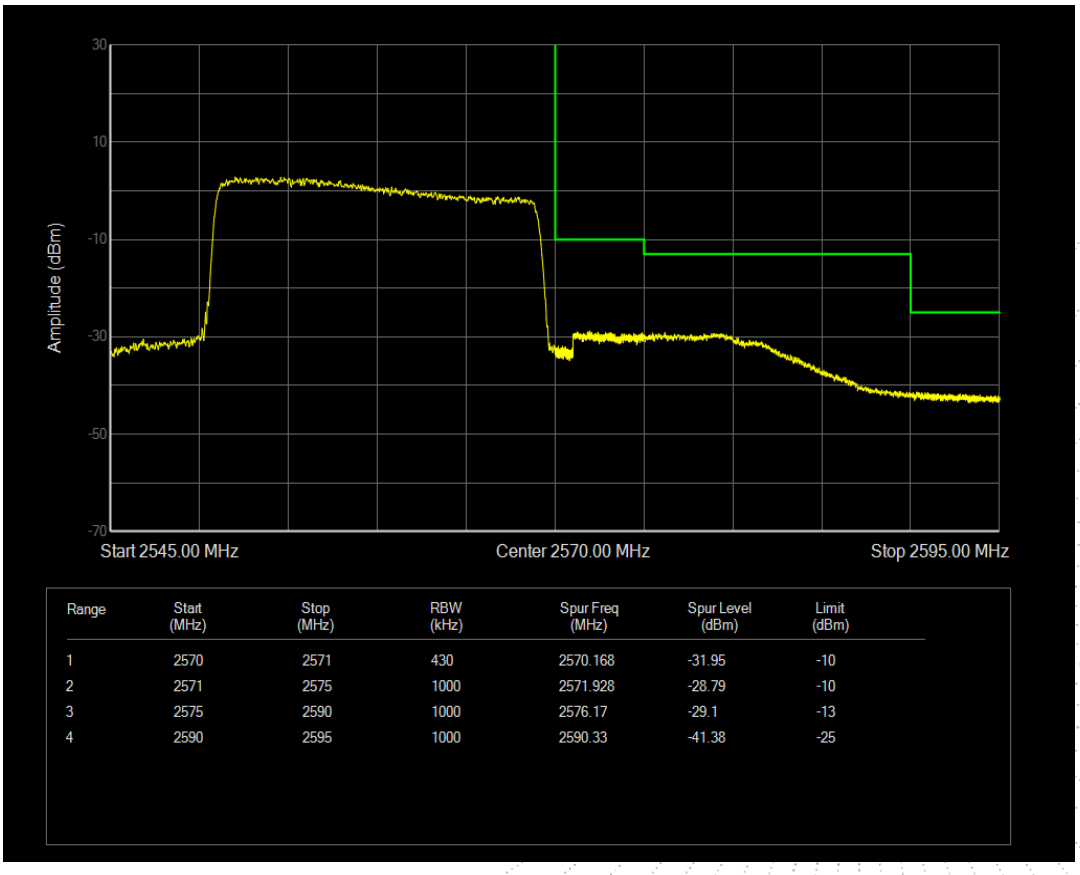
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2480	1000	2476.405	-42.47	-25
2	2480	2496	1000	2495.376	-34.85	-13
3	2496	2499	1000	2498.709	-33.26	-10
4	2499	2500	430	2499.961	-34.36	-10

Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	430	2570.028	-30.43	-10
2	2571	2575	1000	2571.504	-27.89	-10
3	2575	2590	1000	2579.095	-28.19	-13
4	2590	2595	1000	2591.96	-41.62	-25

Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0

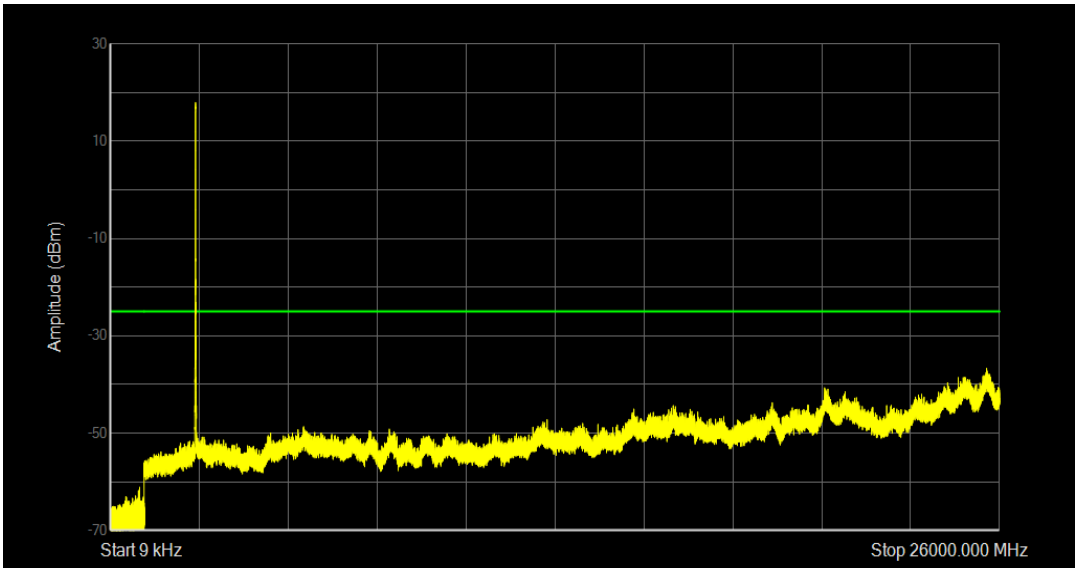


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	430	2570.168	-31.95	-10
2	2571	2575	1000	2571.928	-28.79	-10
3	2575	2590	1000	2576.17	-29.1	-13
4	2590	2595	1000	2590.33	-41.38	-25

Appendix 6. Out-of-band emissions

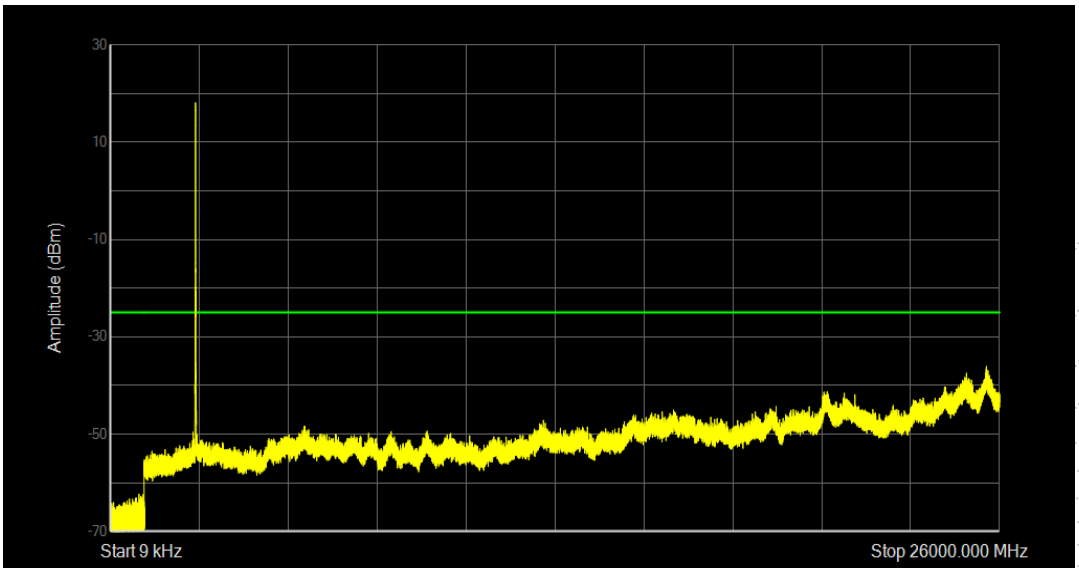
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	25620.63	-36.70	-25	PASS
Band7	5	20775	25	#0	16QAM	25616.88	-36.09	-25	PASS
Band7	5	21100	25	#0	QPSK	25663.13	-36.77	-25	PASS
Band7	5	21100	25	#0	16QAM	25625.00	-36.03	-25	PASS
Band7	5	21425	25	#0	QPSK	25640.00	-37.32	-25	PASS
Band7	5	21425	25	#0	16QAM	25726.25	-37.27	-25	PASS
Band7	10	20800	50	#0	QPSK	25613.75	-37.14	-25	PASS
Band7	10	20800	50	#0	16QAM	25612.50	-37.08	-25	PASS
Band7	10	21100	50	#0	QPSK	25638.75	-36.91	-25	PASS
Band7	10	21100	50	#0	16QAM	25648.13	-37.17	-25	PASS
Band7	10	21400	50	#0	QPSK	25644.38	-36.26	-25	PASS
Band7	10	21400	50	#0	16QAM	25616.88	-36.73	-25	PASS
Band7	15	20825	75	#0	QPSK	25660.63	-37.75	-25	PASS
Band7	15	20825	75	#0	16QAM	25557.50	-37.64	-25	PASS
Band7	15	21100	75	#0	QPSK	25645.00	-35.92	-25	PASS
Band7	15	21100	75	#0	16QAM	25628.13	-35.70	-25	PASS
Band7	15	21375	75	#0	QPSK	25560.63	-36.40	-25	PASS
Band7	15	21375	75	#0	16QAM	25605.00	-36.84	-25	PASS
Band7	20	20850	100	#0	QPSK	25687.50	-36.99	-25	PASS
Band7	20	20850	100	#0	16QAM	25689.38	-35.25	-25	PASS
Band7	20	21100	100	#0	QPSK	25628.13	-37.21	-25	PASS
Band7	20	21100	100	#0	16QAM	25720.00	-37.49	-25	PASS
Band7	20	21350	100	#0	QPSK	25606.88	-36.56	-25	PASS
Band7	20	21350	100	#0	16QAM	25601.88	-36.41	-25	PASS

Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



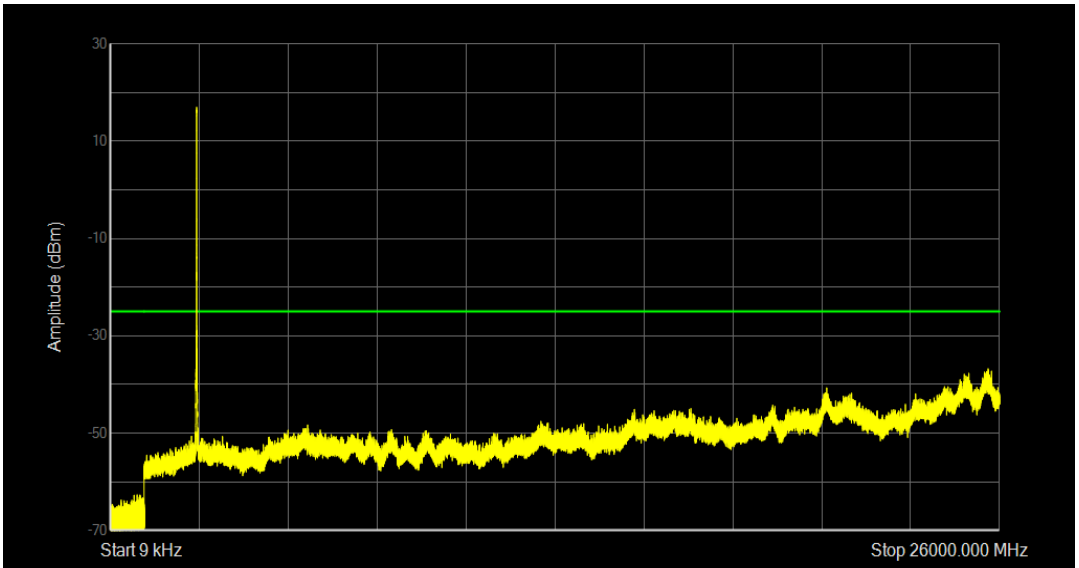
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009616875	-58.68	-25
2	0.15	30	10	0.17313375	-60.35	-25
3	30	1000	100	870.43225	-61.12	-25
4	1000	26000	1000	25620.625	-36.7	-25

Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



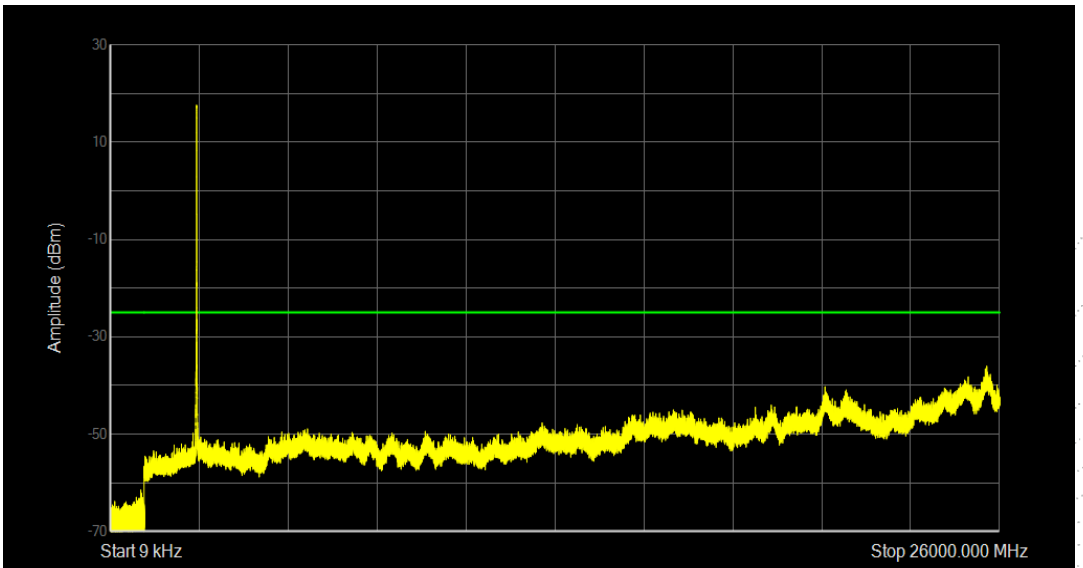
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01016325	-58.36	-25
2	0.15	30	10	0.15	-59.47	-25
3	30	1000	100	852.14775	-62.35	-25
4	1000	26000	1000	25616.875	-36.09	-25

Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



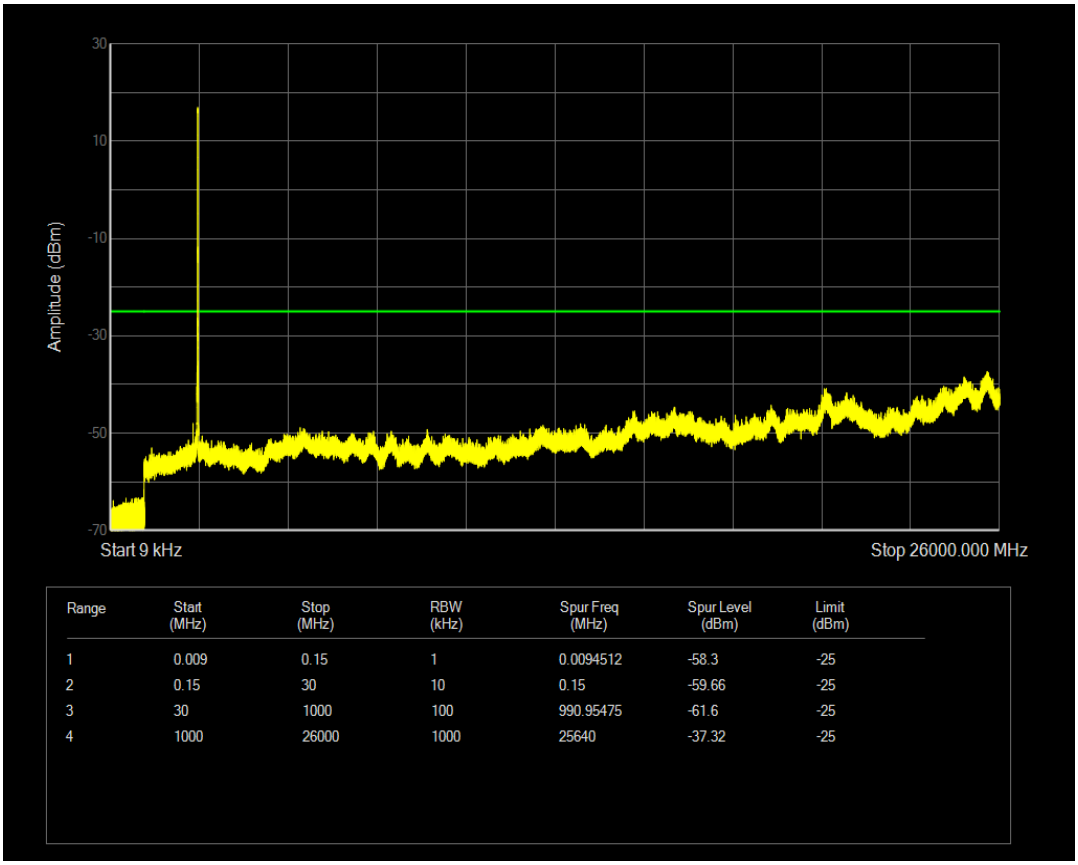
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-59.31	-25
2	0.15	30	10	0.15	-58.8	-25
3	30	1000	100	797.05175	-62.68	-25
4	1000	26000	1000	25663.125	-36.77	-25

Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



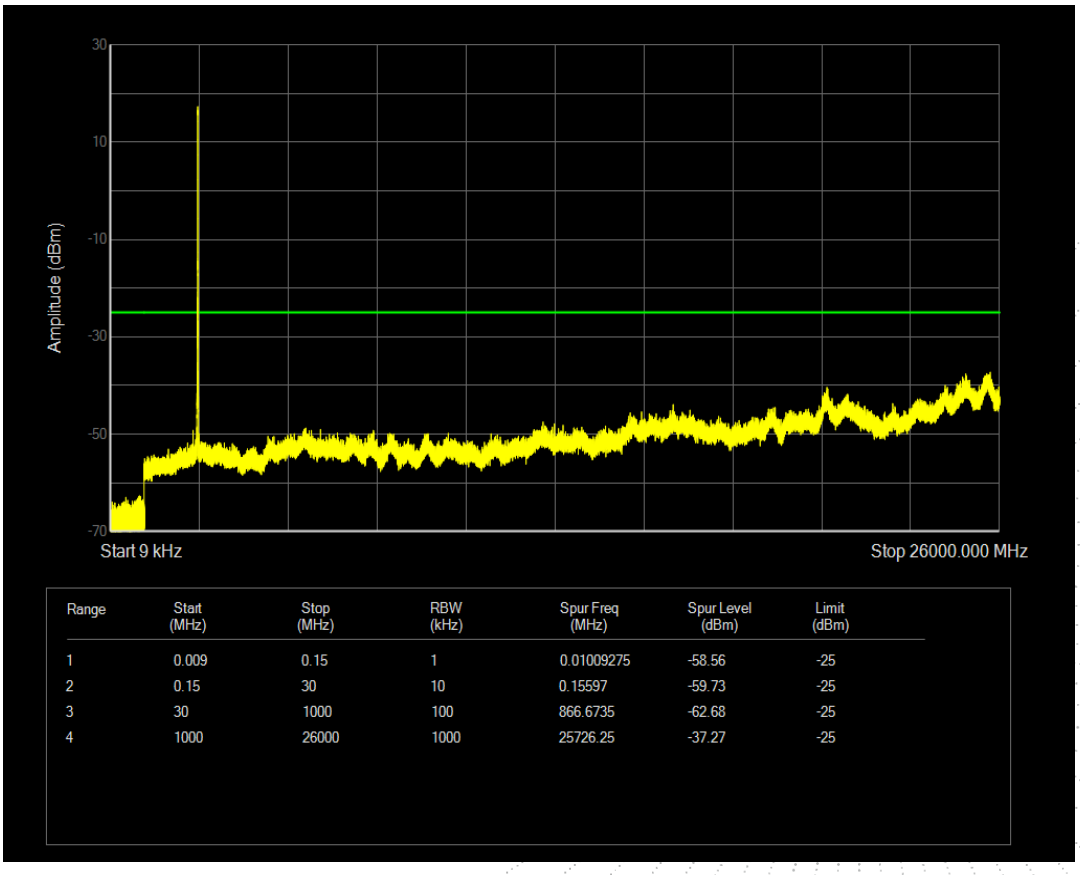
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.75	-25
2	0.15	30	10	0.15	-58.62	-25
3	30	1000	100	905.91	-61.48	-25
4	1000	26000	1000	25625	-36.03	-25

Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



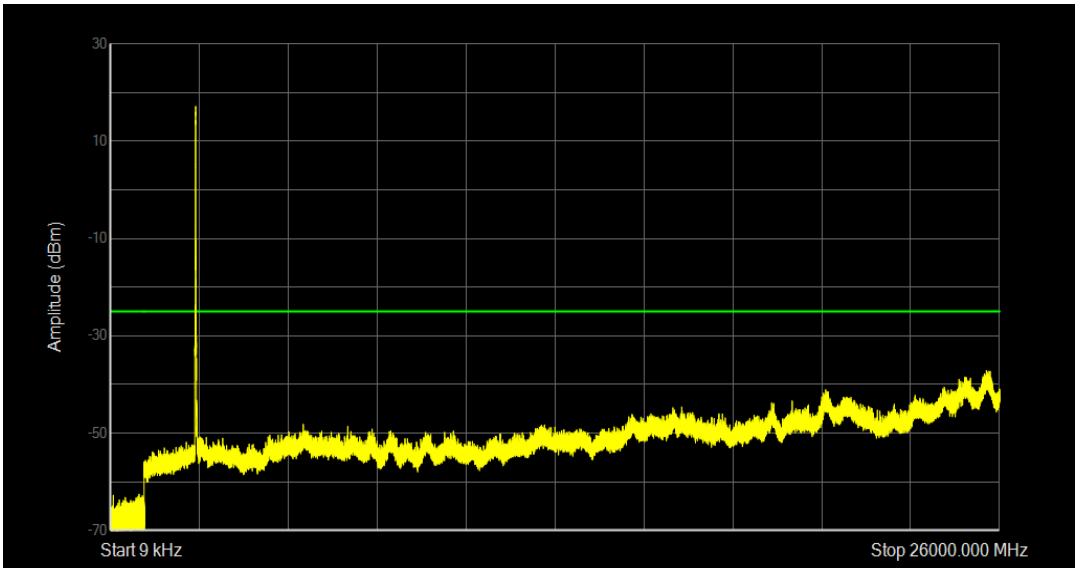
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094512	-58.3	-25
2	0.15	30	10	0.15	-59.66	-25
3	30	1000	100	990.95475	-61.6	-25
4	1000	26000	1000	25640	-37.32	-25

Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



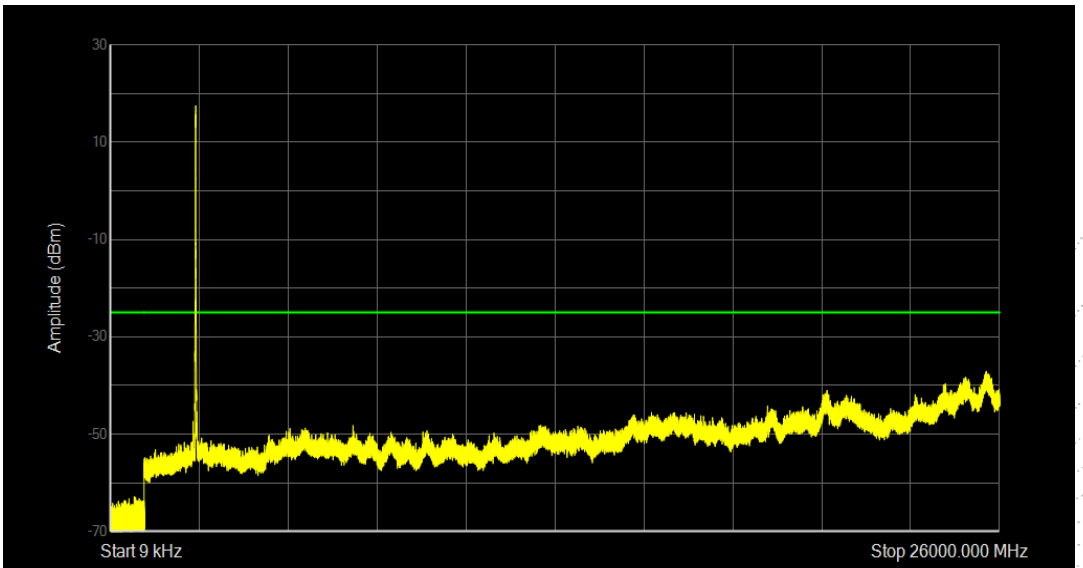
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01009275	-58.56	-25
2	0.15	30	10	0.15597	-59.73	-25
3	30	1000	100	866.6735	-62.68	-25
4	1000	26000	1000	25726.25	-37.27	-25

Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



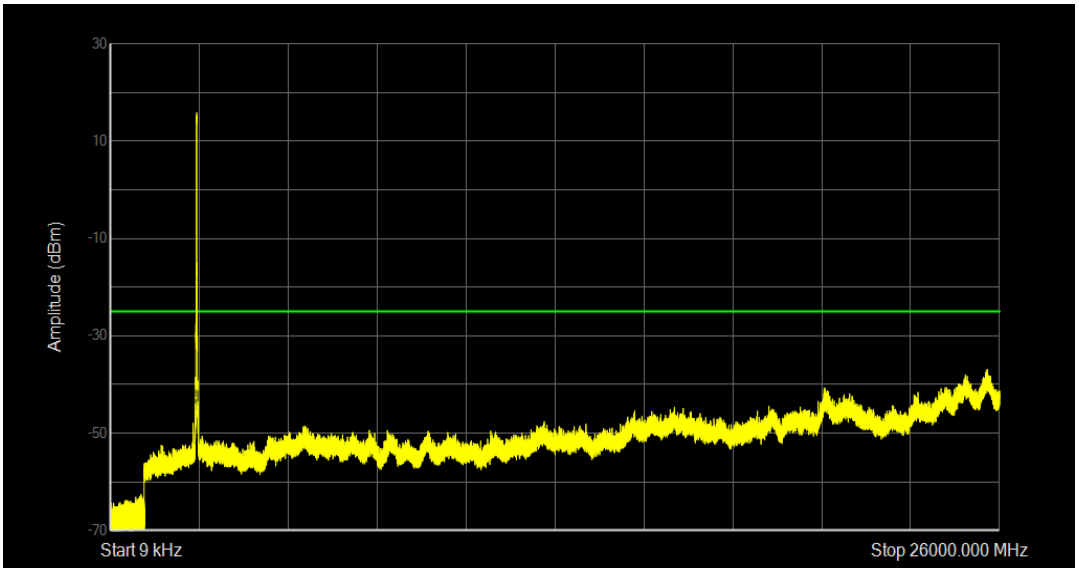
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009109275	-58.37	-25
2	0.15	30	10	0.15	-59.04	-25
3	30	1000	100	854.13625	-62.57	-25
4	1000	26000	1000	25613.75	-37.14	-25

Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0



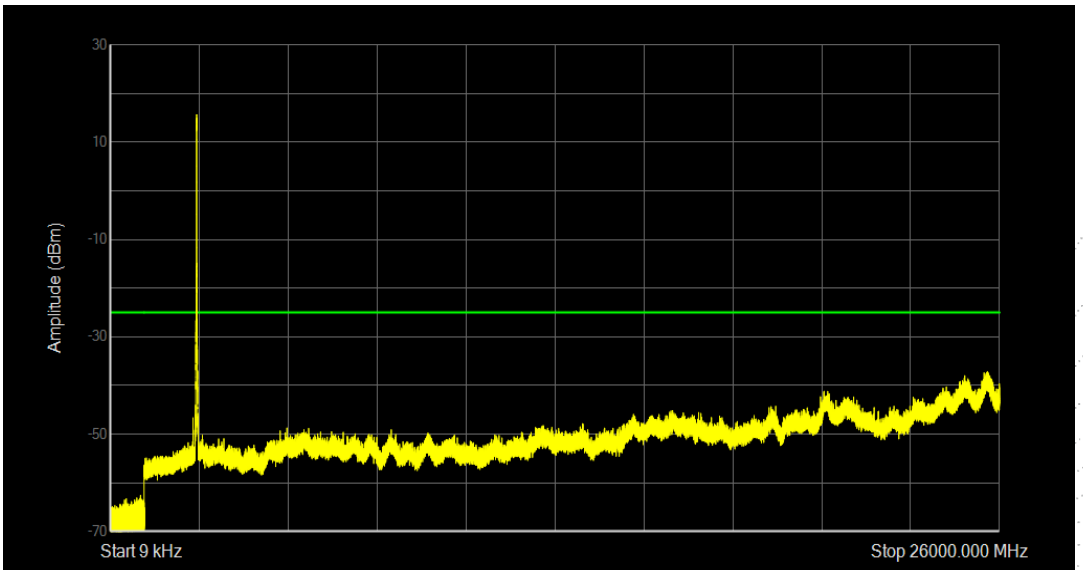
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009299625	-58.28	-25
2	0.15	30	10	0.15	-58.53	-25
3	30	1000	100	713.77725	-62.88	-25
4	1000	26000	1000	25612.5	-37.08	-25

Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



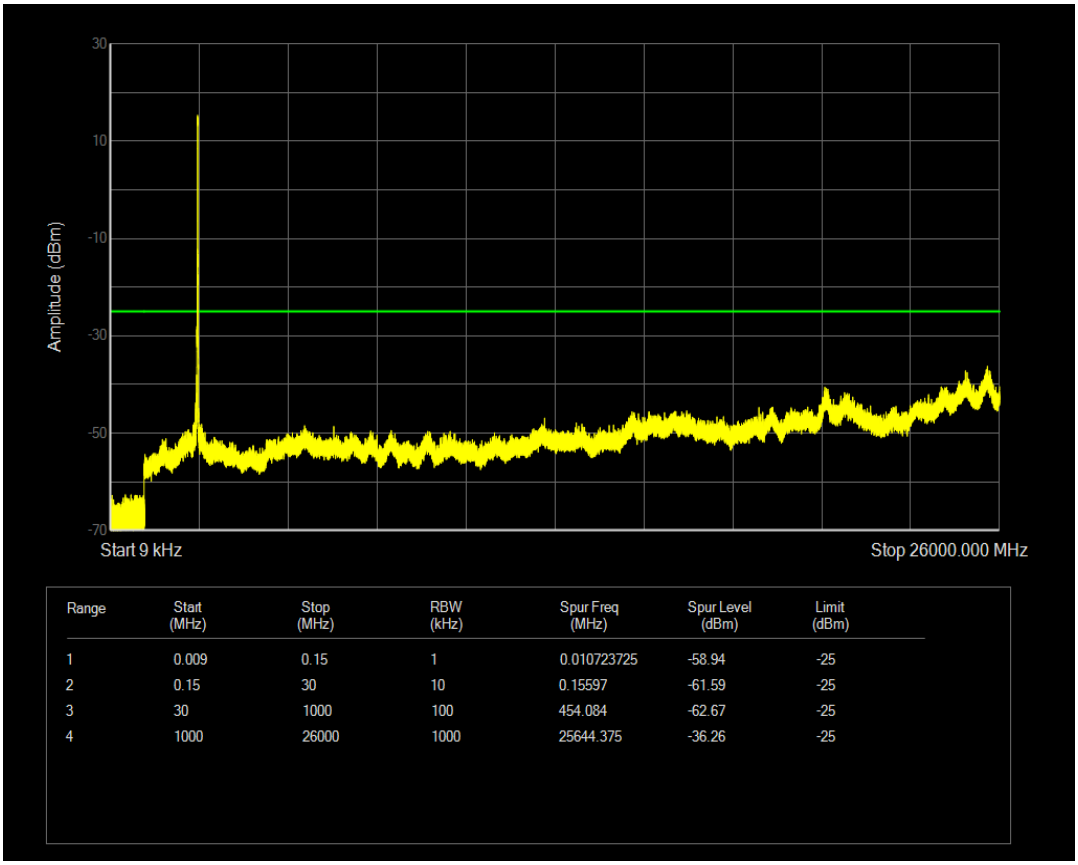
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009504075	-57.58	-25
2	0.15	30	10	0.1574625	-59.23	-25
3	30	1000	100	910.83275	-62.59	-25
4	1000	26000	1000	25638.75	-36.91	-25

Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



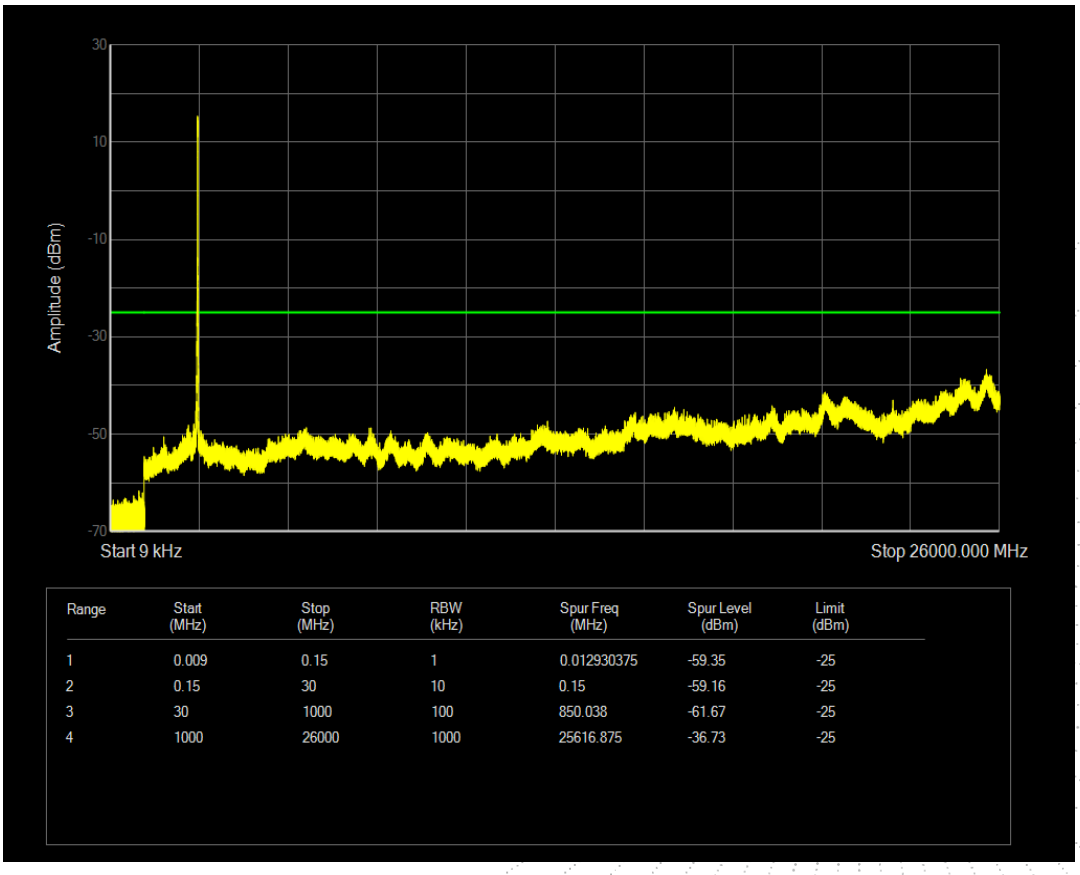
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009609825	-58.28	-25
2	0.15	30	10	0.15	-59.64	-25
3	30	1000	100	895.7735	-62.59	-25
4	1000	26000	1000	25648.125	-37.17	-25

Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



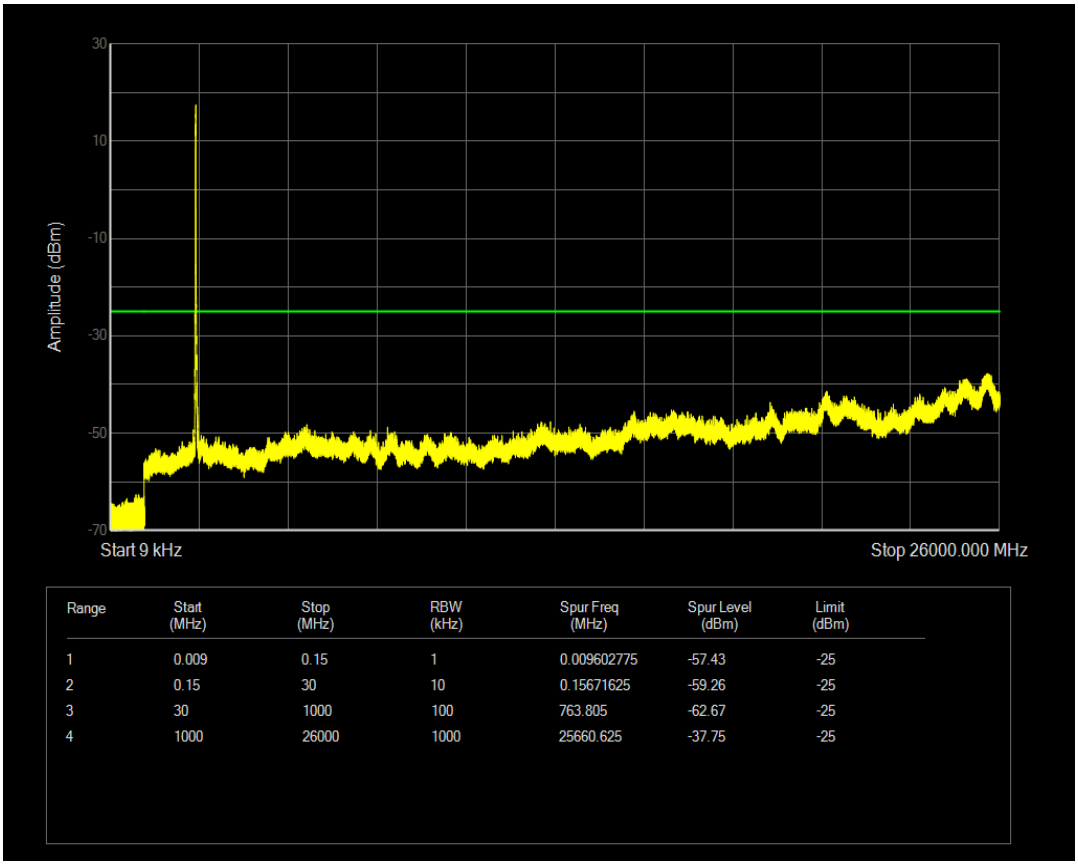
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010723725	-58.94	-25
2	0.15	30	10	0.15597	-61.59	-25
3	30	1000	100	454.084	-62.67	-25
4	1000	26000	1000	25644.375	-36.26	-25

Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



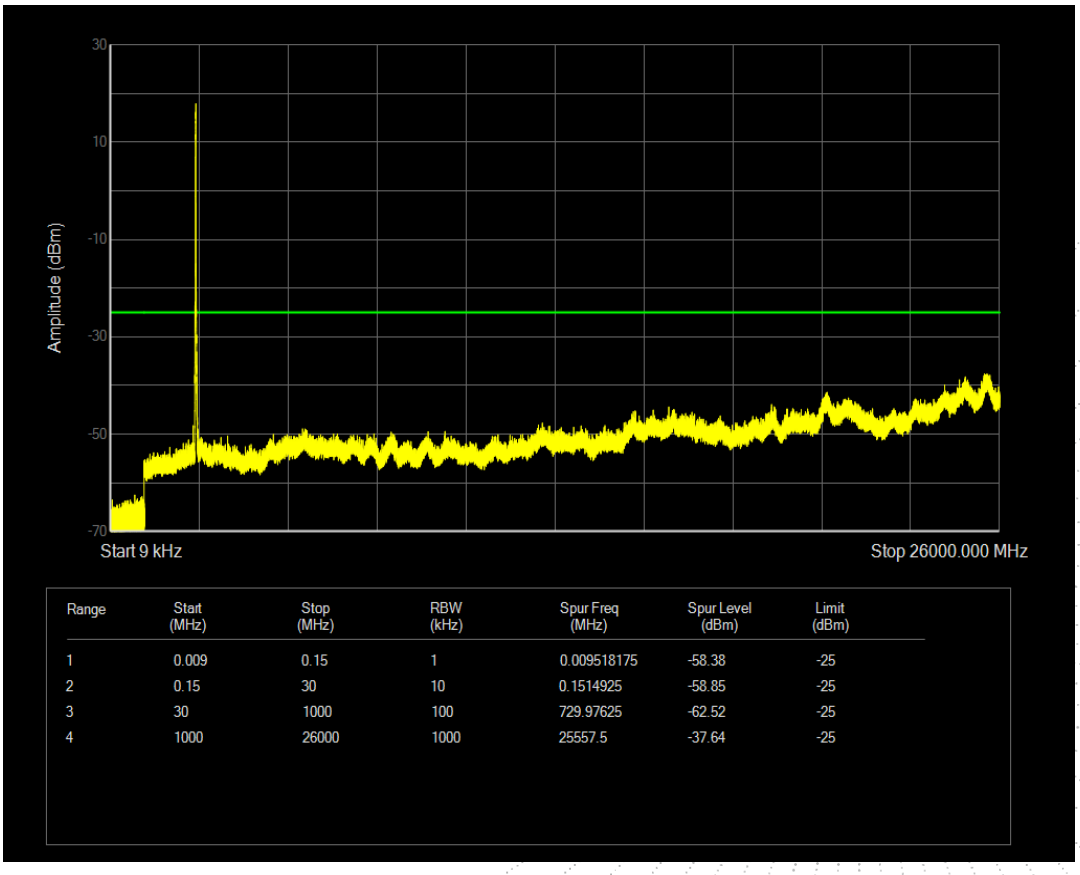
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012930375	-59.35	-25
2	0.15	30	10	0.15	-59.16	-25
3	30	1000	100	850.038	-61.67	-25
4	1000	26000	1000	25616.875	-36.73	-25

Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



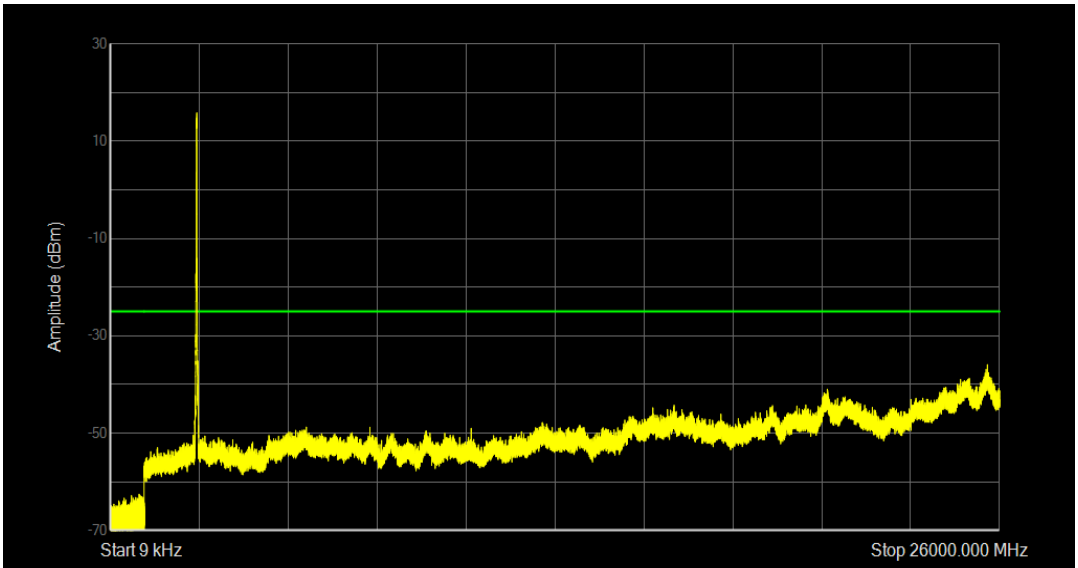
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009602775	-57.43	-25
2	0.15	30	10	0.15671625	-59.26	-25
3	30	1000	100	763.805	-62.67	-25
4	1000	26000	1000	25660.625	-37.75	-25

Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



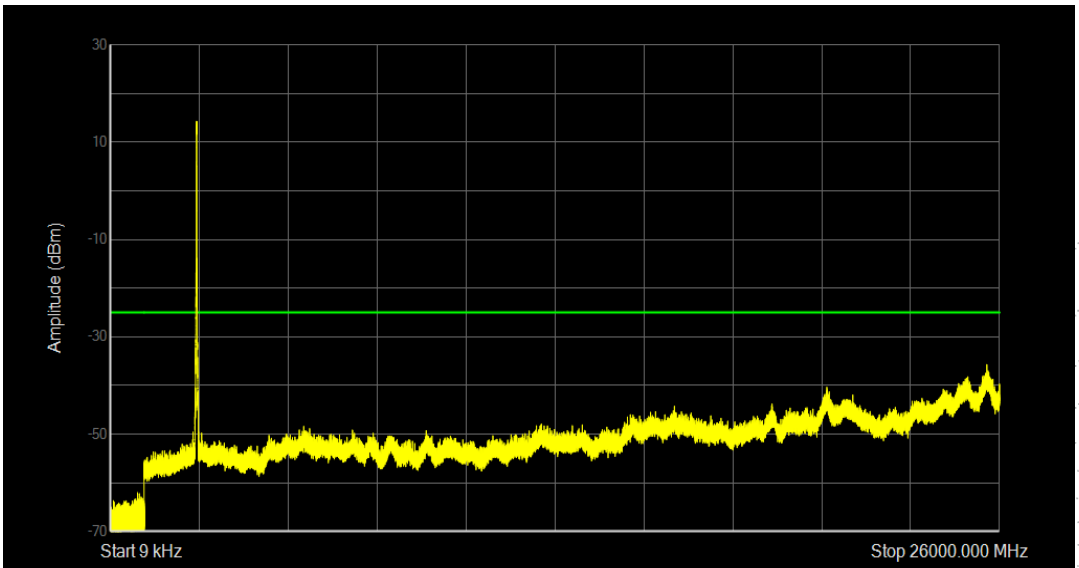
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009518175	-58.38	-25
2	0.15	30	10	0.1514925	-58.85	-25
3	30	1000	100	729.97625	-62.52	-25
4	1000	26000	1000	25557.5	-37.64	-25

Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



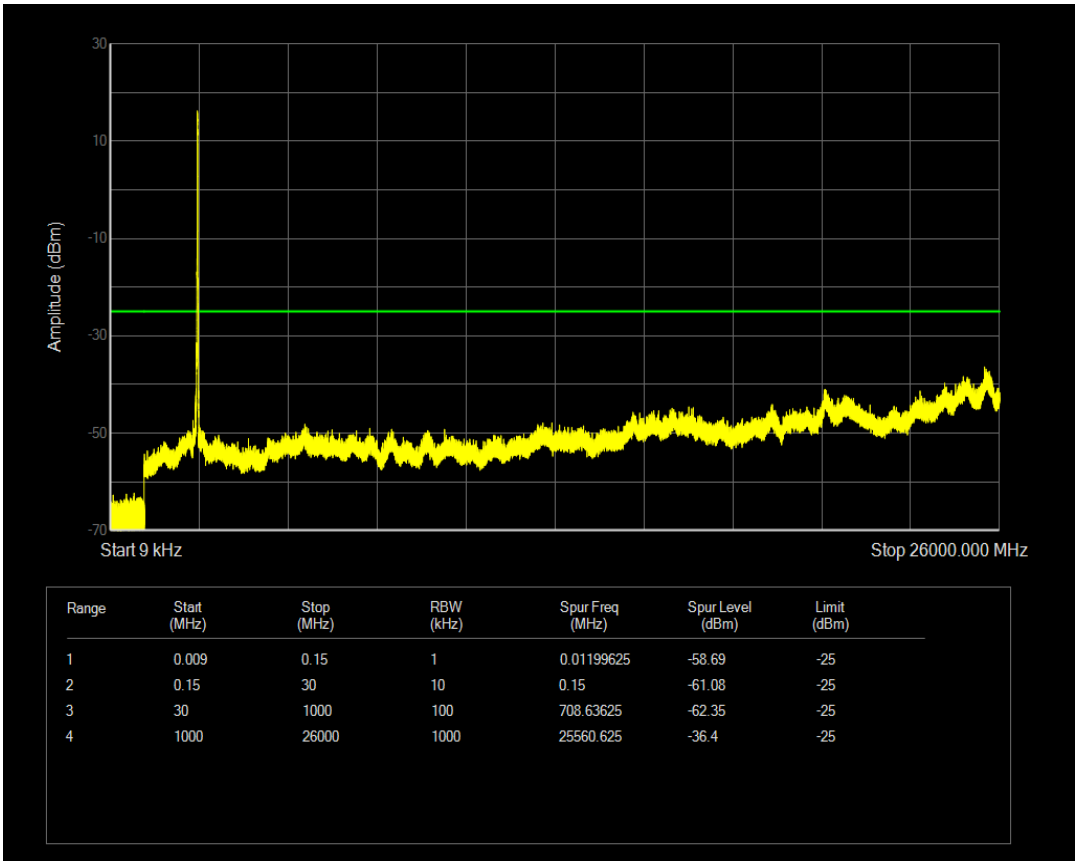
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009327825	-57.28	-25
2	0.15	30	10	0.152985	-60.46	-25
3	30	1000	100	854.81525	-62.58	-25
4	1000	26000	1000	25645	-35.92	-25

Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0



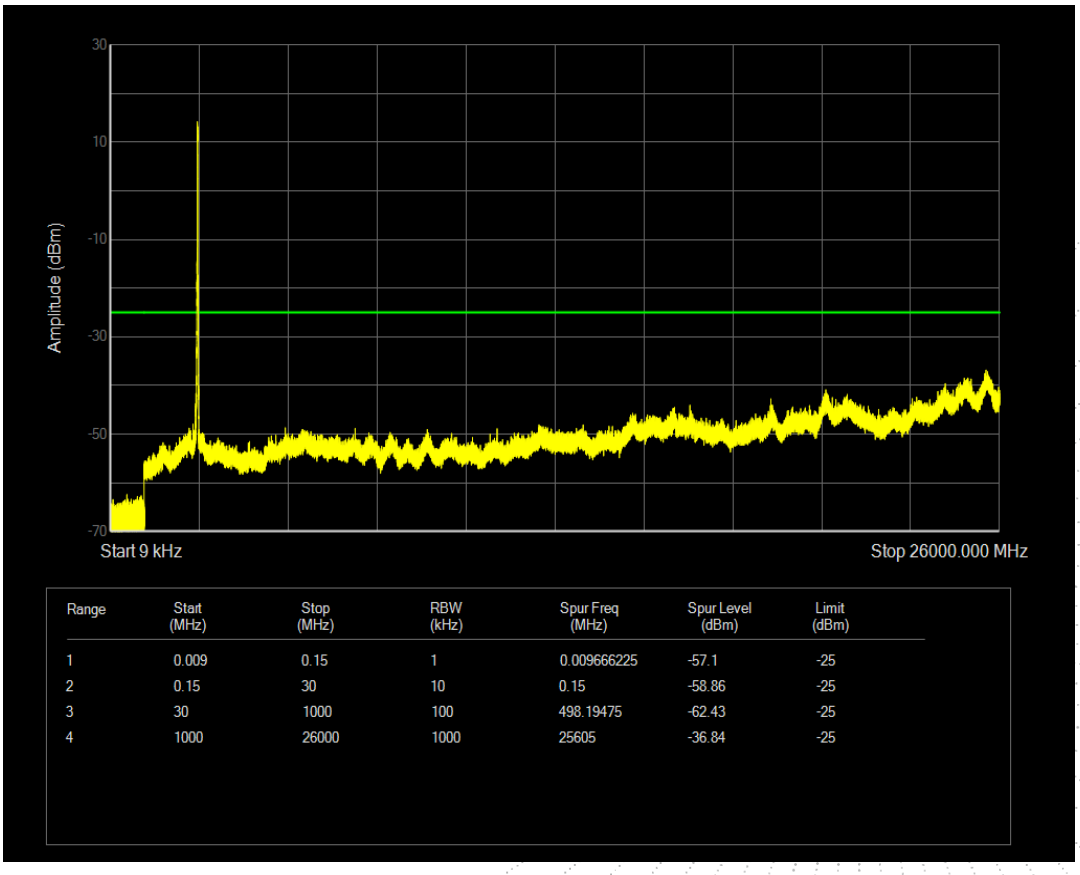
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009532275	-59.09	-25
2	0.15	30	10	0.1634325	-58.68	-25
3	30	1000	100	808.44925	-62.02	-25
4	1000	26000	1000	25628.125	-35.7	-25

Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



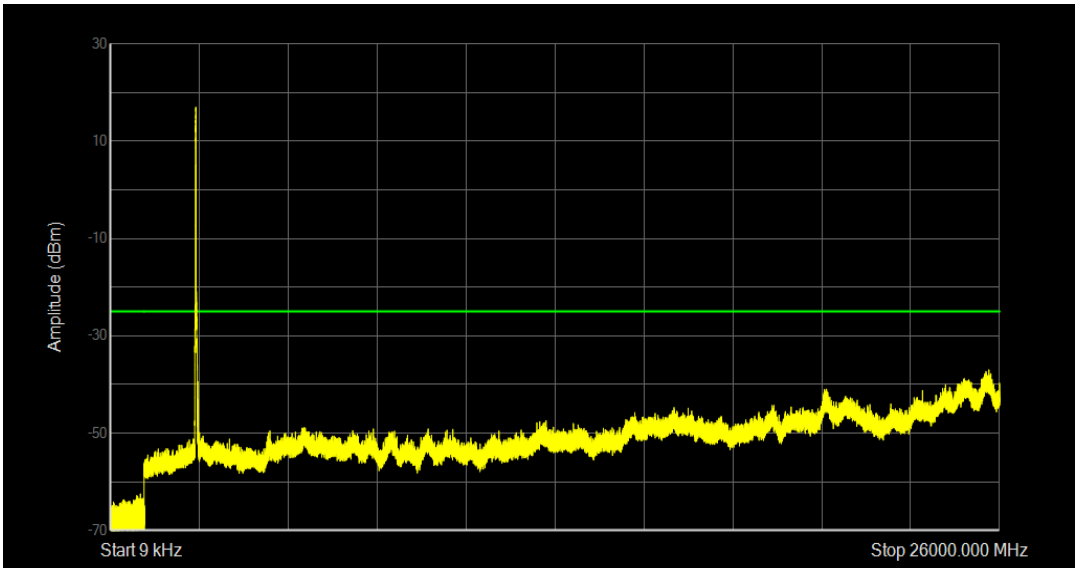
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01199625	-58.69	-25
2	0.15	30	10	0.15	-61.08	-25
3	30	1000	100	708.63625	-62.35	-25
4	1000	26000	1000	25560.625	-36.4	-25

Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0



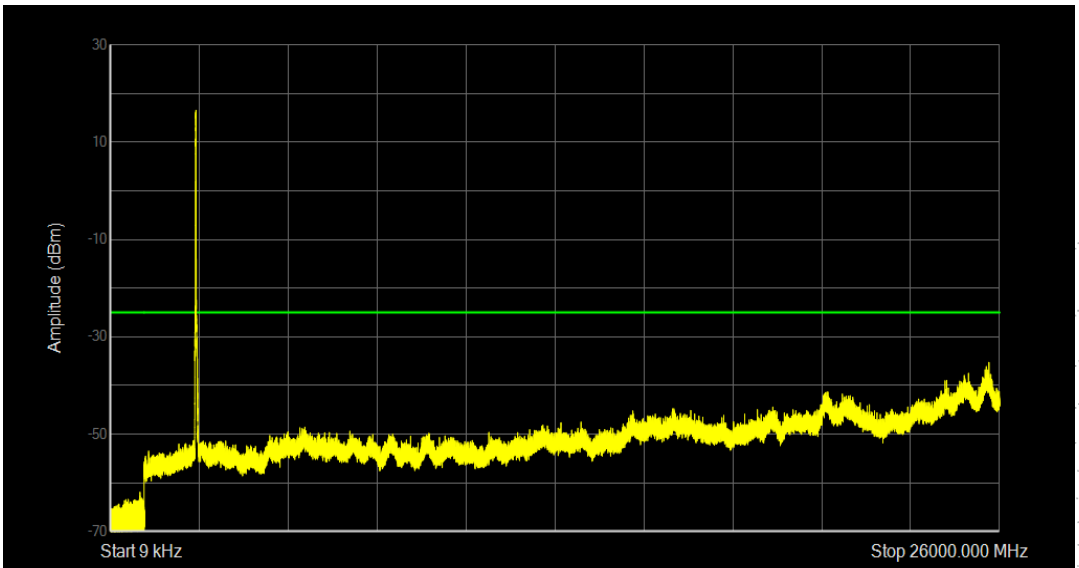
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009666225	-57.1	-25
2	0.15	30	10	0.15	-58.86	-25
3	30	1000	100	498.19475	-62.43	-25
4	1000	26000	1000	25605	-36.84	-25

Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



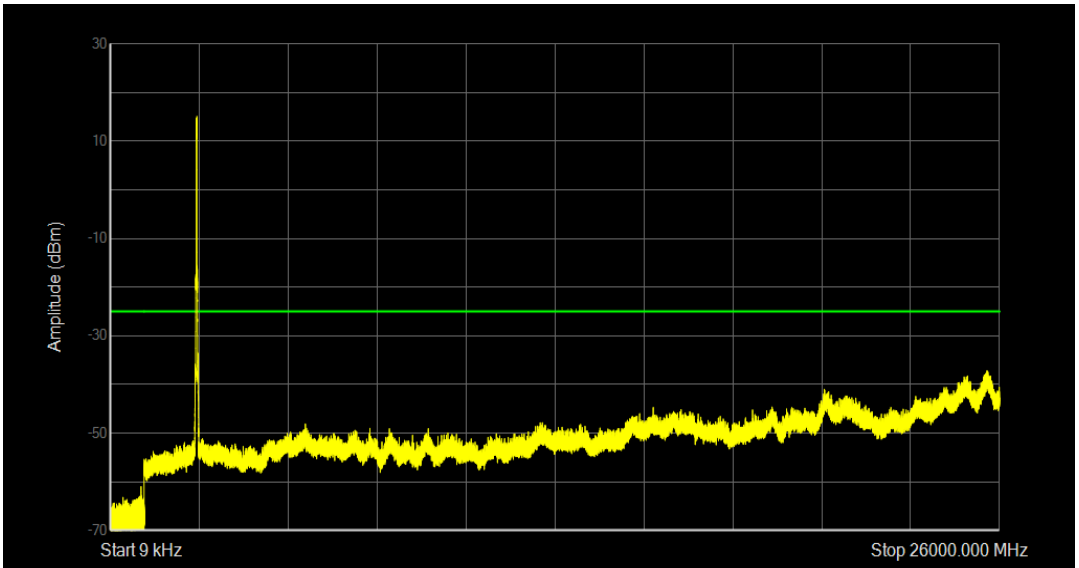
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.44	-25
2	0.15	30	10	0.15	-59.59	-25
3	30	1000	100	893.2515	-62.49	-25
4	1000	26000	1000	25687.5	-36.99	-25

Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0



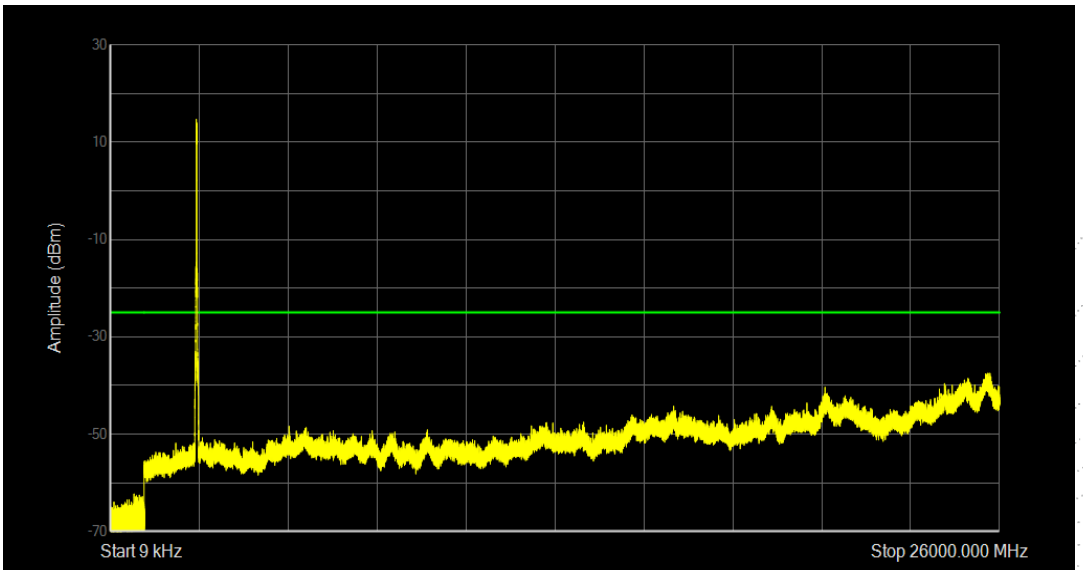
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108612	-58.75	-25
2	0.15	30	10	0.158955	-60.02	-25
3	30	1000	100	880.981	-61.94	-25
4	1000	26000	1000	25689.375	-35.25	-25

Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



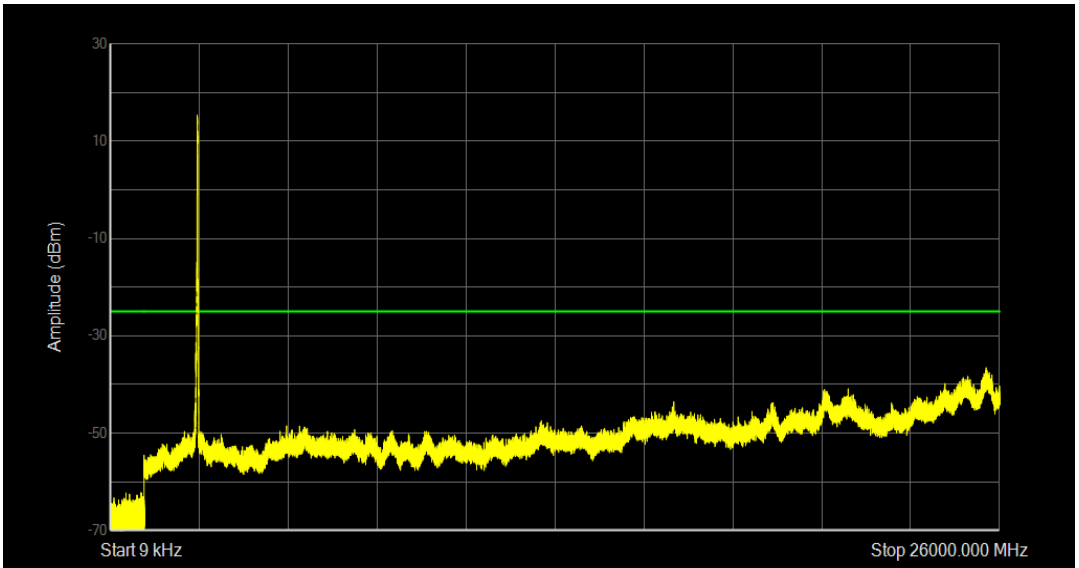
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.13	-25
2	0.15	30	10	0.15	-59.49	-25
3	30	1000	100	913.20925	-61.02	-25
4	1000	26000	1000	25628.125	-37.21	-25

Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0



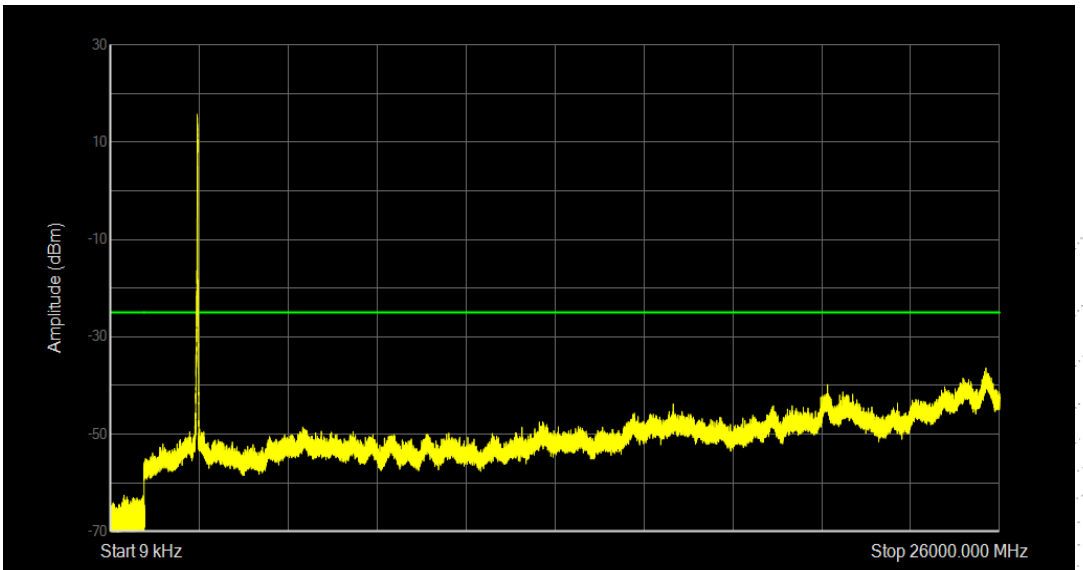
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.73	-25
2	0.15	30	10	0.15970125	-58.84	-25
3	30	1000	100	706.11425	-62.29	-25
4	1000	26000	1000	25720	-37.49	-25

Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094653	-58.64	-25
2	0.15	30	10	0.1514925	-59.84	-25
3	30	1000	100	911.73	-62.23	-25
4	1000	26000	1000	25606.875	-36.56	-25

Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0129621	-58.18	-25
2	0.15	30	10	0.15522375	-59.12	-25
3	30	1000	100	416.61775	-62.58	-25
4	1000	26000	1000	25601.875	-36.41	-25