Appendix for Band 7

Report No.:	BCTC2408023427-6E
Applicant:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Product Name:	Smart Phone
Test Model:	P1
Tested Date:	2024-08-27 to 2024-09-27

Shenzhen BCTC Testing Co., Ltd.

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

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	22.76	0.25	23.01	PASS
Band7	5	20775	1	#Mid	QPSK	22.78	0.25	23.03	PASS
Band7	5	20775	1	#Max	QPSK	22.68	0.25	22.93	PASS
Band7	5	20775	12	#0	QPSK	21.72	0.25	21.97	PASS
Band7	5	20775	12	#Mid	QPSK	21.78	0.25	22.03	PASS
Band7	5	20775	12	#Max	QPSK	21.75	0.25	22.00	PASS
Band7	5	20775	25	#0	QPSK	21.74	0.25	21.99	PASS
Band7	5	20775	1	#0	16QAM	22.16	0.25	22.41	PASS
Band7	5	20775	1	#Mid	16QAM	22.24	0.25	22.49	PASS
Band7	5	20775	1	#Max	16QAM	22.16	0.25	22.41	PASS
Band7	5	20775	12	#0	16QAM	20.66	0.25	20.91	PASS
Band7	5	20775	12	#Mid	16QAM	20.75	0.25	21.00	PASS
Band7	5	20775	12	#Max	16QAM	20.72	0.25	20.97	PASS
Band7	5	20775	25	#0	16QAM	20.69	0.25	20.94	PASS
Band7	5	21100	1	#0	QPSK	22.77	0.25	23.02	PASS
Band7	5	21100	1	#Mid	QPSK	22.85	0.25	23.10	PASS
Band7	5	21100	1	#Max	QPSK	22.80	0.25	23.05	PASS
Band7	5	21100	12	#0	QPSK	21.76	0.25	22.01	PASS
Band7	5	21100	12	#Mid	QPSK	21.80	0.25	22.05	PASS
Band7	5	21100	12	#Max	QPSK	21.77	0.25	22.02	PASS
Band7	5	21100	25	#0	QPSK	21.79	0.25	22.04	PASS
Band7	5	21100	1	#0	16QAM	22.02	0.25	22.27	PASS
Band7	5	21100	1	#Mid	16QAM	22.08	0.25	22.33	PASS
Band7	5	21100	1	#Max	16QAM	22.03	0.25	22.28	PASS
Band7	5	21100	12	#0	16QAM	20.68	0.25	20.93	PASS
Band7	5	21100	12	#Mid	16QAM	20.73	0.25	20.98	PASS
Band7	5	21100	12	#Max	16QAM	20.66	0.25	20.91	PASS
Band7	5	21100	25	#0	16QAM	20.77	0.25	21.02	PASS
Band7	5	21425	1	#0	QPSK	22.64	0.25	22.89	PASS
Band7	5	21425	1	#Mid	QPSK	22.77	0.25	23.02	PASS
Band7	5	21425	1	#Max	QPSK	22.71	0.25	22.96	PASS
Band7	5	21425	12	#0	QPSK	21.72	0.25	21.97	PASS
Band7	5	21425	12	#Mid	QPSK	21.80	0.25	22.05	PASS
Band7	5	21425	12	#Max	QPSK	21.74	0.25	21.99	PASS
Band7	5	21425	25	#0	QPSK	21.76	0.25	22.01	PASS
Band7	5	21425	1	#0	16QAM	21.96	0.25	22.21	PASS

Band7	5	21425	1	#Mid	16QAM	22.06	0.25	22.31	PASS
Band7	5	21425	1	#Max	16QAM	21.99	0.25	22.24	PASS
Band7	5	21425	12	#0	16QAM	20.76	0.25	21.01	PASS
Band7	5	21425	12	#Mid	16QAM	20.82	0.25	21.07	PASS
Band7	5	21425	12	#Max	16QAM	20.80	0.25	21.05	PASS
Band7	5	21425	25	#0	16QAM	20.75	0.25	21.00	PASS
Band7	10	20800	1	#0	QPSK	22.81	0.25	23.06	PASS
Band7	10	20800	1	#Mid	QPSK	22.81	0.25	23.06	PASS
Band7	10	20800	1	#Max	QPSK	22.73	0.25	22.98	PASS
Band7	10	20800	25	#0	QPSK	21.72	0.25	21.97	PASS
Band7	10	20800	25	#Mid	QPSK	21.77	0.25	22.02	PASS
Band7	10	20800	25	#Max	QPSK	21.78	0.25	22.03	PASS
Band7	10	20800	50	#0	QPSK	21.76	0.25	22.01	PASS
Band7	10	20800	1	#0	16QAM	22.12	0.25	22.37	PASS
Band7	10	20800	1	#Mid	16QAM	22.14	0.25	22.39	PASS
Band7	10	20800	1	#Max	16QAM	22.11	0.25	22.36	PASS
Band7	10	20800	25	#0	16QAM	20.72	0.25	20.97	PASS
Band7	10	20800	25	#Mid	16QAM	20.77	0.25	21.02	PASS
Band7	10	20800	25	#Max	16QAM	20.74	0.25	20.99	PASS
Band7	10	20800	50	#0	16QAM	20.73	0.25	20.98	PASS
Band7	10	21100	1	#0	QPSK	22.76	0.25	23.01	PASS
Band7	10	21100	1	#Mid	QPSK	22.87	0.25	23.12	PASS
Band7	10	21100	1	#Max	QPSK	22.83	0.25	23.08	PASS
Band7	10	21100	25	#0	QPSK	21.79	0.25	22.04	PASS
Band7	10	21100	25	#Mid	QPSK	21.83	0.25	22.08	PASS
Band7	10	21100	25	#Max	QPSK	21.79	0.25	22.04	PASS
Band7	10	21100	50	#0	QPSK	21.83	0.25	22.08	PASS
Band7	10	21100	1	#0	16QAM	21.89	0.25	22.14	PASS
Band7	10	21100	1	#Mid	16QAM	21.97	0.25	22.22	PASS
Band7	10	21100	1	#Max	16QAM	21.95	0.25	22.20	PASS
Band7	10	21100	25	#0	16QAM	20.79	0.25	21.04	PASS
Band7	10	21100	25	#Mid	16QAM	20.79	0.25	21.04	PASS
Band7	10	21100	25	#Max	16QAM	20.79	0.25	21.04	PASS
Band7	10	21100	50	#0	16QAM	20.82	0.25	21.07	PASS
Band7	10	21400	1	#0	QPSK	22.82	0.25	23.07	PASS
Band7	10	21400	1	#Mid	QPSK	22.92	0.25	23.17	PASS
Band7	10	21400	1	#Max	QPSK	22.94	0.25	23.19	PASS
Band7	10	21400	25	#0	QPSK	21.75	0.25	22.00	PASS
Band7	10	21400	25	#Mid	QPSK	21.77	0.25	22.02	PASS
Band7	10	21400	25	#Max	QPSK	21.76	0.25	22.01	PASS
Band7	10	21400	50	#0	QPSK	21.77	0.25	22.02	PASS
Band7	10	21400	1	#0	16QAM	21.57	0.25	21.82	PASS
Band7	10	21400	1	#Mid	16QAM	21.65	0.25	21.90	PASS

Band7	10	21400	1	#Max	16QAM	21.65	0.25	21.90	PASS
Band7	10	21400	25	#0	16QAM	20.77	0.25	21.02	PASS
Band7	10	21400	25	#Mid	16QAM	20.79	0.25	21.04	PASS
Band7	10	21400	25	#Max	16QAM	20.75	0.25	21.00	PASS
Band7	10	21400	50	#0	16QAM	20.76	0.25	21.01	PASS
Band7	15	20825	1	#0	QPSK	22.72	0.25	22.97	PASS
Band7	15	20825	1	#Mid	QPSK	22.75	0.25	23.00	PASS
Band7	15	20825	1	#Max	QPSK	22.63	0.25	22.88	PASS
Band7	15	20825	36	#0	QPSK	21.67	0.25	21.92	PASS
Band7	15	20825	36	#Mid	QPSK	21.76	0.25	22.01	PASS
Band7	15	20825	36	#Max	QPSK	21.68	0.25	21.93	PASS
Band7	15	20825	75	#0	QPSK	21.74	0.25	21.99	PASS
Band7	15	20825	1	#0	16QAM	22.06	0.25	22.31	PASS
Band7	15	20825	1	#Mid	16QAM	22.11	0.25	22.36	PASS
Band7	15	20825	1	#Max	16QAM	22.05	0.25	22.30	PASS
Band7	15	20825	36	#0	16QAM	20.69	0.25	20.94	PASS
Band7	15	20825	36	#Mid	16QAM	20.77	0.25	21.02	PASS
Band7	15	20825	36	#Max	16QAM	20.70	0.25	20.95	PASS
Band7	15	20825	75	#0	16QAM	20.71	0.25	20.96	PASS
Band7	15	21100	1	#0	QPSK	22.69	0.25	22.94	PASS
Band7	15	21100	1	#Mid	QPSK	22.84	0.25	23.09	PASS
Band7	15	21100	1	#Max	QPSK	22.78	0.25	23.03	PASS
Band7	15	21100	36	#0	QPSK	21.78	0.25	22.03	PASS
Band7	15	21100	36	#Mid	QPSK	21.87	0.25	22.12	PASS
Band7	15	21100	36	#Max	QPSK	21.80	0.25	22.05	PASS
Band7	15	21100	75	#0	QPSK	21.82	0.25	22.07	PASS
Band7	15	21100	1	#0	16QAM	21.83	0.25	22.08	PASS
Band7	15	21100	1	#Mid	16QAM	21.93	0.25	22.18	PASS
Band7	15	21100	1	#Max	16QAM	21.88	0.25	22.13	PASS
Band7	15	21100	36	#0	16QAM	20.82	0.25	21.07	PASS
Band7	15	21100	36	#Mid	16QAM	20.87	0.25	21.12	PASS
Band7	15	21100	36	#Max	16QAM	20.85	0.25	21.10	PASS
Band7	15	21100	75	#0	16QAM	20.76	0.25	21.01	PASS
Band7	15	21375	1	#0	QPSK	22.76	0.25	23.01	PASS
Band7	15	21375	1	#Mid	QPSK	22.90	0.25	23.15	PASS
Band7	15	21375	1	#Max	QPSK	22.90	0.25	23.15	PASS
Band7	15	21375	36	#0	QPSK	21.72	0.25	21.97	PASS
Band7	15	21375	36	#Mid	QPSK	21.82	0.25	22.07	PASS
Band7	15	21375	36	#Max	QPSK	21.79	0.25	22.04	PASS
Band7	15	21375	75	#0	QPSK	21.77	0.25	22.02	PASS
Band7	15	21375	1	#0	16QAM	21.72	0.25	21.97	PASS
Band7	15	21375	1	#Mid	16QAM	21.83	0.25	22.08	PASS
Band7	15	21375	1	#Max	16QAM	21.84	0.25	22.09	PASS

Band7	15	21375	36	#0	16QAM	20.66	0.25	20.91	PASS
Band7	15	21375	36	#Mid	16QAM	20.74	0.25	20.99	PASS
Band7	15	21375	36	#Max	16QAM	20.71	0.25	20.96	PASS
Band7	15	21375	75	#0	16QAM	20.76	0.25	21.01	PASS
Band7	20	20850	1	#0	QPSK	22.64	0.25	22.89	PASS
Band7	20	20850	1	#Mid	QPSK	22.82	0.25	23.07	PASS
Band7	20	20850	1	#Max	QPSK	22.60	0.25	22.85	PASS
Band7	20	20850	50	#0	QPSK	21.60	0.25	21.85	PASS
Band7	20	20850	50	#Mid	QPSK	21.70	0.25	21.95	PASS
Band7	20	20850	50	#Max	QPSK	21.58	0.25	21.83	PASS
Band7	20	20850	100	#0	QPSK	21.57	0.25	21.82	PASS
Band7	20	20850	1	#0	16QAM	21.88	0.25	22.13	PASS
Band7	20	20850	1	#Mid	16QAM	22.05	0.25	22.30	PASS
Band7	20	20850	1	#Max	16QAM	21.88	0.25	22.13	PASS
Band7	20	20850	50	#0	16QAM	20.67	0.25	20.92	PASS
Band7	20	20850	50	#Mid	16QAM	20.77	0.25	21.02	PASS
Band7	20	20850	50	#Max	16QAM	20.64	0.25	20.89	PASS
Band7	20	20850	100	#0	16QAM	20.56	0.25	20.81	PASS
Band7	20	21100	1	#0	QPSK	22.67	0.25	22.92	PASS
Band7	20	21100	1	#Mid	QPSK	22.97	0.25	23.22	PASS
Band7	20	21100	1	#Max	QPSK	22.84	0.25	23.09	PASS
Band7	20	21100	50	#0	QPSK	21.76	0.25	22.01	PASS
Band7	20	21100	50	#Mid	QPSK	21.81	0.25	22.06	PASS
Band7	20	21100	50	#Max	QPSK	21.76	0.25	22.01	PASS
Band7	20	21100	100	#0	QPSK	21.78	0.25	22.03	PASS
Band7	20	21100	1	#0	16QAM	21.78	0.25	22.03	PASS
Band7	20	21100	1	#Mid	16QAM	22.05	0.25	22.30	PASS
Band7	20	21100	1	#Max	16QAM	21.91	0.25	22.16	PASS
Band7	20	21100	50	#0	16QAM	20.72	0.25	20.97	PASS
Band7	20	21100	50	#Mid	16QAM	20.75	0.25	21.00	PASS
Band7	20	21100	50	#Max	16QAM	20.71	0.25	20.96	PASS
Band7	20	21100	100	#0	16QAM	20.73	0.25	20.98	PASS
Band7	20	21350	1	#0	QPSK	22.63	0.25	22.88	PASS
Band7	20	21350	1	#Mid	QPSK	22.88	0.25	23.13	PASS
Band7	20	21350	1	#Max	QPSK	22.76	0.25	23.01	PASS
Band7	20	21350	50	#0	QPSK	21.63	0.25	21.88	PASS
Band7	20	21350	50	#Mid	QPSK	21.76	0.25	22.01	PASS
Band7	20	21350	50	#Max	QPSK	21.66	0.25	21.91	PASS
Band7	20	21350	100	#0	QPSK	21.63	0.25	21.88	PASS
Band7	20	21350	1	#0	16QAM	21.81	0.25	22.06	PASS
Band7	20	21350	1	#Mid	16QAM	22.02	0.25	22.27	PASS
Band7	20	21350	1	#Max	16QAM	21.94	0.25	22.19	PASS
Band7	20	21350	50	#0	16QAM	20.65	0.25	20.90	PASS

Band7	20	21350	50	#Mid	16QAM	20.82	0.25	21.07	PASS
Band7	20	21350	50	#Max	16QAM	20.72	0.25	20.97	PASS
Band7	20	21350	100	#0	16QAM	20.65	0.25	20.90	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	-19.01	-0.008	PASS
Band7	5	20775	25	#0	QPSK	NV	NT	-30.88	-0.012	PASS
Band7	5	20775	25	#0	QPSK	HV	NT	-25.05	-0.010	PASS
Band7	5	20775	25	#0	16QAM	LV	NT	-22.92	-0.009	PASS
Band7	5	20775	25	#0	16QAM	NV	NT	-9.21	-0.004	PASS
Band7	5	20775	25	#0	16QAM	HV	NT	-9.44	-0.004	PASS
Band7	5	21100	25	#0	QPSK	LV	NT	-5.01	-0.002	PASS
Band7	5	21100	25	#0	QPSK	NV	NT	-18.78	-0.007	PASS
Band7	5	21100	25	#0	QPSK	HV	NT	-15.98	-0.006	PASS
Band7	5	21100	25	#0	16QAM	LV	NT	-8.35	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	NT	-5.48	-0.002	PASS
Band7	5	21100	25	#0	16QAM	HV	NT	0.66	0.000	PASS
Band7	5	21425	25	#0	QPSK	LV	NT	7.52	0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	NT	-3.46	-0.001	PASS
Band7	5	21425	25	#0	QPSK	HV	NT	-4.01	-0.002	PASS
Band7	5	21425	25	#0	16QAM	LV	NT	1.17	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	NT	-4.43	-0.002	PASS
Band7	5	21425	25	#0	16QAM	HV	NT	1.13	0.000	PASS
Band7	10	20800	50	#0	QPSK	LV	NT	-0.09	0.000	PASS
Band7	10	20800	50	#0	QPSK	NV	NT	-4.72	-0.002	PASS
Band7	10	20800	50	#0	QPSK	HV	NT	-7.07	-0.003	PASS
Band7	10	20800	50	#0	16QAM	LV	NT	-5.68	-0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	NT	-1.27	-0.001	PASS
Band7	10	20800	50	#0	16QAM	HV	NT	-1.90	-0.001	PASS
Band7	10	21100	50	#0	QPSK	LV	NT	-4.16	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	NT	-8.18	-0.003	PASS
Band7	10	21100	50	#0	QPSK	HV	NT	-7.78	-0.003	PASS
Band7	10	21100	50	#0	16QAM	LV	NT	-3.82	-0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	NT	1.92	0.001	PASS
Band7	10	21100	50	#0	16QAM	HV	NT	0.70	0.000	PASS
Band7	10	21400	50	#0	QPSK	LV	NT	-8.60	-0.003	PASS
Band7	10	21400	50	#0	QPSK	NV	NT	-26.62	-0.010	PASS
Band7	10	21400	50	#0	QPSK	HV	NT	-21.53	-0.008	PASS
Band7	10	21400	50	#0	16QAM	LV	NT	-14.39	-0.006	PASS
Band7	10	21400	50	#0	16QAM	NV	NT	-10.09	-0.004	PASS
Band7	10	21400	50	#0	16QAM	HV	NT	-2.95	-0.001	PASS
Band7	15	20825	75	#0	QPSK	LV	NT	-3.20	-0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	NT	0.39	0.000	PASS

Band7	15	20825	75	#0	QPSK	HV	NT	1.06	0.000	PASS
Band7	15	20825	75	#0	16QAM	LV	NT	1.83	0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	NT	0.97	0.000	PASS
Band7	15	20825	75	#0	16QAM	HV	NT	1.62	0.001	PASS
Band7	15	21100	75	#0	QPSK	LV	NT	-4.43	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	NT	0.49	0.000	PASS
Band7	15	21100	75	#0	QPSK	HV	NT	-3.33	-0.001	PASS
Band7	15	21100	75	#0	16QAM	LV	NT	-1.60	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	NT	-1.16	0.000	PASS
Band7	15	21100	75	#0	16QAM	HV	NT	0.84	0.000	PASS
Band7	15	21375	75	#0	QPSK	LV	NT	-1.83	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	NT	-8.00	-0.003	PASS
Band7	15	21375	75	#0	QPSK	HV	NT	-6.82	-0.003	PASS
Band7	15	21375	75	#0	16QAM	LV	NT	-4.88	-0.002	PASS
Band7	15	21375	75	#0	16QAM	NV	NT	-3.66	-0.001	PASS
Band7	15	21375	75	#0	16QAM	HV	NT	-3.78	-0.001	PASS
Band7	20	20850	100	#0	QPSK	LV	NT	-22.53	-0.009	PASS
Band7	20	20850	100	#0	QPSK	NV	NT	-6.64	-0.003	PASS
Band7	20	20850	100	#0	QPSK	HV	NT	-3.03	-0.001	PASS
Band7	20	20850	100	#0	16QAM	LV	NT	-2.17	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	NT	-2.45	-0.001	PASS
Band7	20	20850	100	#0	16QAM	HV	NT	0.99	0.000	PASS
Band7	20	21100	100	#0	QPSK	LV	NT	-11.96	-0.005	PASS
Band7	20	21100	100	#0	QPSK	NV	NT	-9.16	-0.004	PASS
Band7	20	21100	100	#0	QPSK	HV	NT	-6.67	-0.003	PASS
Band7	20	21100	100	#0	16QAM	LV	NT	-8.44	-0.003	PASS
Band7	20	21100	100	#0	16QAM	NV	NT	-0.07	0.000	PASS
Band7	20	21100	100	#0	16QAM	HV	NT	-2.68	-0.001	PASS
Band7	20	21350	100	#0	QPSK	LV	NT	-2.90	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	NT	-5.51	-0.002	PASS
Band7	20	21350	100	#0	QPSK	HV	NT	-6.25	-0.002	PASS
Band7	20	21350	100	#0	16QAM	LV	NT	-0.62	0.000	PASS
Band7	20	21350	100	#0	16QAM	NV	NT	-0.97	0.000	PASS
Band7	20	21350	100	#0	16QAM	HV	NT	-0.77	0.000	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	-27.71	-0.011	PASS
Band7	5	20775	25	#0	QPSK	NV	-20	-16.89	-0.007	PASS
Band7	5	20775	25	#0	QPSK	NV	-10	-0.56	0.000	PASS
Band7	5	20775	25	#0	QPSK	NV	0	-4.49	-0.002	PASS
Band7	5	20775	25	#0	QPSK	NV	10	-7.82	-0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	20	-0.09	0.000	PASS

Band7	5	20775	25	#0	QPSK	NV	30	-7.82	-0.003	PASS
Band7	5	20775	25	#0	QPSK	NV	40	-2.35	-0.001	PASS
Band7	5	20775	25	#0	QPSK	NV	50	-8.43	-0.003	PASS
Band7	5	20775	25	#0	16QAM	NV	-30	-5.36	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	-20	1.40	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	-10	-2.88	-0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	0	2.72	0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	10	-2.49	-0.001	PASS
Band7	5	20775	25	#0	16QAM	NV	20	-6.21	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	30	-5.02	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	40	-5.69	-0.002	PASS
Band7	5	20775	25	#0	16QAM	NV	50	-3.40	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	-30	-7.37	-0.003	PASS
Band7	5	21100	25	#0	QPSK	NV	-20	-16.26	-0.006	PASS
Band7	5	21100	25	#0	QPSK	NV	-10	-14.25	-0.006	PASS
Band7	5	21100	25	#0	QPSK	NV	0	-13.92	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	10	-9.63	-0.004	PASS
Band7	5	21100	25	#0	QPSK	NV	20	0.24	0.000	PASS
Band7	5	21100	25	#0	QPSK	NV	30	-2.12	-0.001	PASS
Band7	5	21100	25	#0	QPSK	NV	40	-12.83	-0.005	PASS
Band7	5	21100	25	#0	QPSK	NV	50	-5.92	-0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	-30	-8.84	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	-20	-10.66	-0.004	PASS
Band7	5	21100	25	#0	16QAM	NV	-10	-1.44	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	0	4.39	0.002	PASS
Band7	5	21100	25	#0	16QAM	NV	10	-1.85	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	20	-7.32	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	30	-6.77	-0.003	PASS
Band7	5	21100	25	#0	16QAM	NV	40	-2.20	-0.001	PASS
Band7	5	21100	25	#0	16QAM	NV	50	-8.14	-0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	-30	-4.72	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	-20	-8.38	-0.003	PASS
Band7	5	21425	25	#0	QPSK	NV	-10	-9.24	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	0	-4.41	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	10	-12.29	-0.005	PASS
Band7	5	21425	25	#0	QPSK	NV	20	-9.71	-0.004	PASS
Band7	5	21425	25	#0	QPSK	NV	30	-5.56	-0.002	PASS
Band7	5	21425	25	#0	QPSK	NV	40	-0.87	0.000	PASS
Band7	5	21425	25	#0	QPSK	NV	50	-5.89	-0.002	PASS
Band7	5	21425	25	#0	16QAM	NV	-30	-2.82	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	-20	-8.17	-0.003	PASS
Band7	5	21425	25	#0	16QAM	NV	-10	-0.63	0.000	PASS
Band7	5	21425	25	#0	16QAM	NV	0	1.06	0.000	PASS

Band7	5	21425	25	#0	16QAM	NV	10	-2.26	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	20	-3.20	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	30	-1.92	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	40	-3.68	-0.001	PASS
Band7	5	21425	25	#0	16QAM	NV	50	-7.47	-0.003	PASS
Band7	10	20800	50	#0	QPSK	NV	-30	5.68	0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	-20	-5.29	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	-10	7.62	0.003	PASS
Band7	10	20800	50	#0	QPSK	NV	0	-3.98	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	10	-5.31	-0.002	PASS
Band7	10	20800	50	#0	QPSK	NV	20	-2.37	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	30	1.65	0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	40	-2.90	-0.001	PASS
Band7	10	20800	50	#0	QPSK	NV	50	0.14	0.000	PASS
Band7	10	20800	50	#0	16QAM	NV	-30	-7.14	-0.003	PASS
Band7	10	20800	50	#0	16QAM	NV	-20	-2.36	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	-10	2.30	0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	0	-2.37	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	10	-2.90	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	20	-1.59	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	30	-3.10	-0.001	PASS
Band7	10	20800	50	#0	16QAM	NV	40	4.66	0.002	PASS
Band7	10	20800	50	#0	16QAM	NV	50	-3.15	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	-30	-7.48	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	-20	-10.64	-0.004	PASS
Band7	10	21100	50	#0	QPSK	NV	-10	-8.43	-0.003	PASS
Band7	10	21100	50	#0	QPSK	NV	0	-4.51	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	10	-5.87	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	20	-4.73	-0.002	PASS
Band7	10	21100	50	#0	QPSK	NV	30	-3.63	-0.001	PASS
Band7	10	21100	50	#0	QPSK	NV	40	0.86	0.000	PASS
Band7	10	21100	50	#0	QPSK	NV	50	-2.93	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	-30	-1.52	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	-20	4.63	0.002	PASS
Band7	10	21100	50	#0	16QAM	NV	-10	3.53	0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	0	-1.65	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	10	0.23	0.000	PASS
Band7	10	21100	50	#0	16QAM	NV	20	-6.65	-0.003	PASS
Band7	10	21100	50	#0	16QAM	NV	30	0.17	0.000	PASS
Band7	10	21100	50	#0	16QAM	NV	40	-2.72	-0.001	PASS
Band7	10	21100	50	#0	16QAM	NV	50	-5.32	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	-30	-3.72	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	-20	-3.08	-0.001	PASS

Band7	10	21400	50	#0	QPSK	NV	-10	0.86	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	0	-3.28	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	10	-1.57	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	20	-3.16	-0.001	PASS
Band7	10	21400	50	#0	QPSK	NV	30	-1.06	0.000	PASS
Band7	10	21400	50	#0	QPSK	NV	40	-5.65	-0.002	PASS
Band7	10	21400	50	#0	QPSK	NV	50	-1.37	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	-30	-1.79	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	-20	-3.15	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	-10	4.82	0.002	PASS
Band7	10	21400	50	#0	16QAM	NV	0	-2.13	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	10	-0.54	0.000	PASS
Band7	10	21400	50	#0	16QAM	NV	20	-10.90	-0.004	PASS
Band7	10	21400	50	#0	16QAM	NV	30	-1.30	-0.001	PASS
Band7	10	21400	50	#0	16QAM	NV	40	-1.13	0.000	PASS
Band7	10	21400	50	#0	16QAM	NV	50	-3.02	-0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	-30	-6.84	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-20	-6.95	-0.003	PASS
Band7	15	20825	75	#0	QPSK	NV	-10	-4.76	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	0	-0.39	0.000	PASS
Band7	15	20825	75	#0	QPSK	NV	10	-4.94	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	20	2.32	0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	30	-3.29	-0.001	PASS
Band7	15	20825	75	#0	QPSK	NV	40	-4.38	-0.002	PASS
Band7	15	20825	75	#0	QPSK	NV	50	-1.16	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	-30	3.40	0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	-20	3.22	0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	-10	-1.36	-0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	0	1.65	0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	10	-3.52	-0.001	PASS
Band7	15	20825	75	#0	16QAM	NV	20	-1.04	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	30	-0.59	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	40	1.07	0.000	PASS
Band7	15	20825	75	#0	16QAM	NV	50	-0.56	0.000	PASS
Band7	15	21100	75	#0	QPSK	NV	-30	-8.51	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-20	-6.61	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	-10	-7.62	-0.003	PASS
Band7	15	21100	75	#0	QPSK	NV	0	-4.18	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	10	-3.26	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	20	-1.32	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	30	-4.98	-0.002	PASS
Band7	15	21100	75	#0	QPSK	NV	40	-1.63	-0.001	PASS
Band7	15	21100	75	#0	QPSK	NV	50	-3.82	-0.002	PASS

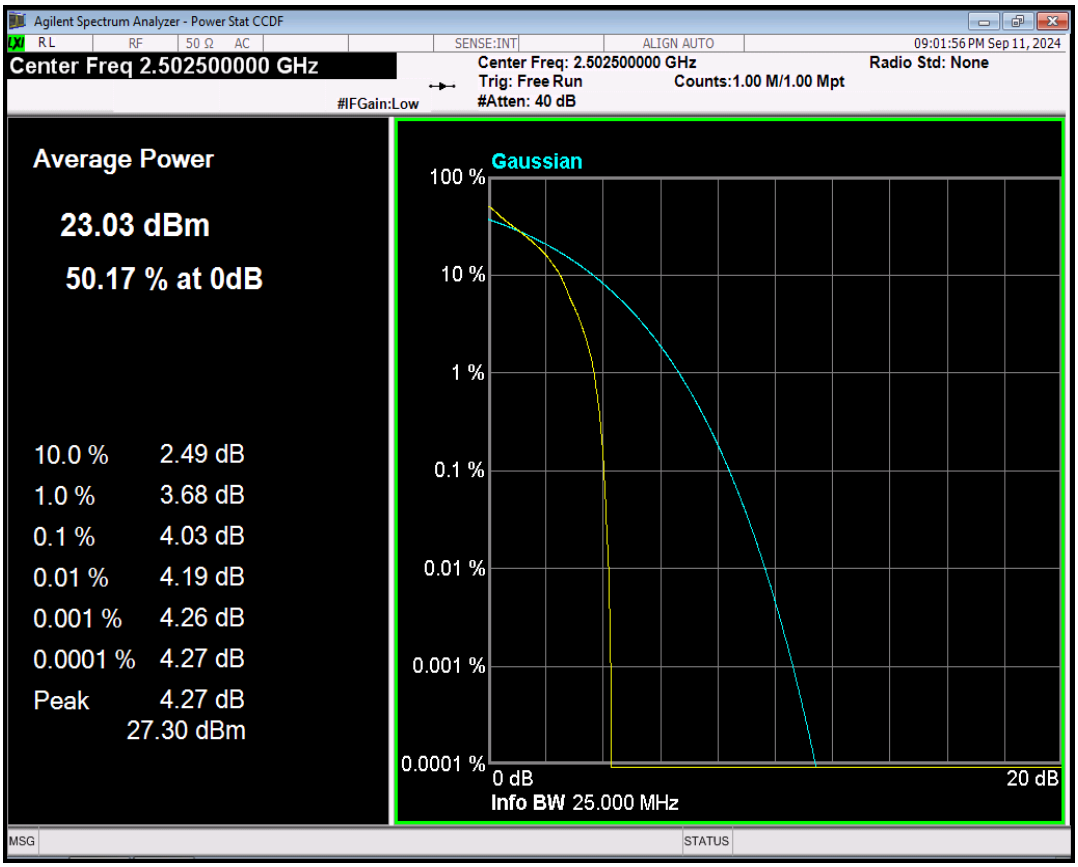
Band7	15	21100	75	#0	16QAM	NV	-30	-5.55	-0.002	PASS
Band7	15	21100	75	#0	16QAM	NV	-20	-2.00	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	-10	-0.56	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	0	3.76	0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	10	-0.74	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	20	-3.56	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	30	-2.98	-0.001	PASS
Band7	15	21100	75	#0	16QAM	NV	40	0.36	0.000	PASS
Band7	15	21100	75	#0	16QAM	NV	50	0.33	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-30	0.97	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	-20	-5.25	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	-10	-6.15	-0.002	PASS
Band7	15	21375	75	#0	QPSK	NV	0	2.59	0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	10	-0.30	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	20	-1.63	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	30	-0.27	0.000	PASS
Band7	15	21375	75	#0	QPSK	NV	40	-3.26	-0.001	PASS
Band7	15	21375	75	#0	QPSK	NV	50	-0.60	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	-30	-2.57	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-20	2.25	0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	-10	-2.95	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	0	-1.19	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	10	-0.24	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	20	0.19	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	30	-1.93	-0.001	PASS
Band7	15	21375	75	#0	16QAM	NV	40	0.10	0.000	PASS
Band7	15	21375	75	#0	16QAM	NV	50	-0.72	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	-30	-2.75	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	-20	-5.49	-0.002	PASS
Band7	20	20850	100	#0	QPSK	NV	-10	-2.23	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	0	-2.89	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	10	-8.17	-0.003	PASS
Band7	20	20850	100	#0	QPSK	NV	20	0.16	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	30	-0.60	0.000	PASS
Band7	20	20850	100	#0	QPSK	NV	40	-1.57	-0.001	PASS
Band7	20	20850	100	#0	QPSK	NV	50	-1.56	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-30	-1.65	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-20	3.18	0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	-10	-2.89	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	0	2.40	0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	10	-0.73	0.000	PASS
Band7	20	20850	100	#0	16QAM	NV	20	-2.06	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	30	0.62	0.000	PASS

Band7	20	20850	100	#0	16QAM	NV	40	-2.19	-0.001	PASS
Band7	20	20850	100	#0	16QAM	NV	50	1.59	0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	-30	-5.12	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	-5.66	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	-8.85	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	0	-3.62	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	10	-2.95	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	20	-4.69	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-5.56	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-5.31	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	50	-6.55	-0.003	PASS
Band7	20	21100	100	#0	16QAM	NV	-30	-3.13	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	-20	0.24	0.000	PASS
Band7	20	21100	100	#0	16QAM	NV	-10	-2.96	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	0	-3.99	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	10	-3.26	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	20	-3.68	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	30	-3.20	-0.001	PASS
Band7	20	21100	100	#0	16QAM	NV	40	-4.28	-0.002	PASS
Band7	20	21100	100	#0	16QAM	NV	50	-7.93	-0.003	PASS
Band7	20	21350	100	#0	QPSK	NV	-30	-2.75	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	-20	-4.09	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	-10	-5.89	-0.002	PASS
Band7	20	21350	100	#0	QPSK	NV	0	-3.73	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	10	-2.66	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	20	-3.32	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	30	-3.63	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	40	-3.58	-0.001	PASS
Band7	20	21350	100	#0	QPSK	NV	50	-8.48	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	-30	-1.24	0.000	PASS
Band7	20	21350	100	#0	16QAM	NV	-20	-2.52	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	-10	0.51	0.000	PASS
Band7	20	21350	100	#0	16QAM	NV	0	-3.19	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	10	-4.41	-0.002	PASS
Band7	20	21350	100	#0	16QAM	NV	20	-7.11	-0.003	PASS
Band7	20	21350	100	#0	16QAM	NV	30	-3.38	-0.001	PASS
Band7	20	21350	100	#0	16QAM	NV	40	-0.66	0.000	PASS
Band7	20	21350	100	#0	16QAM	NV	50	-1.73	-0.001	PASS

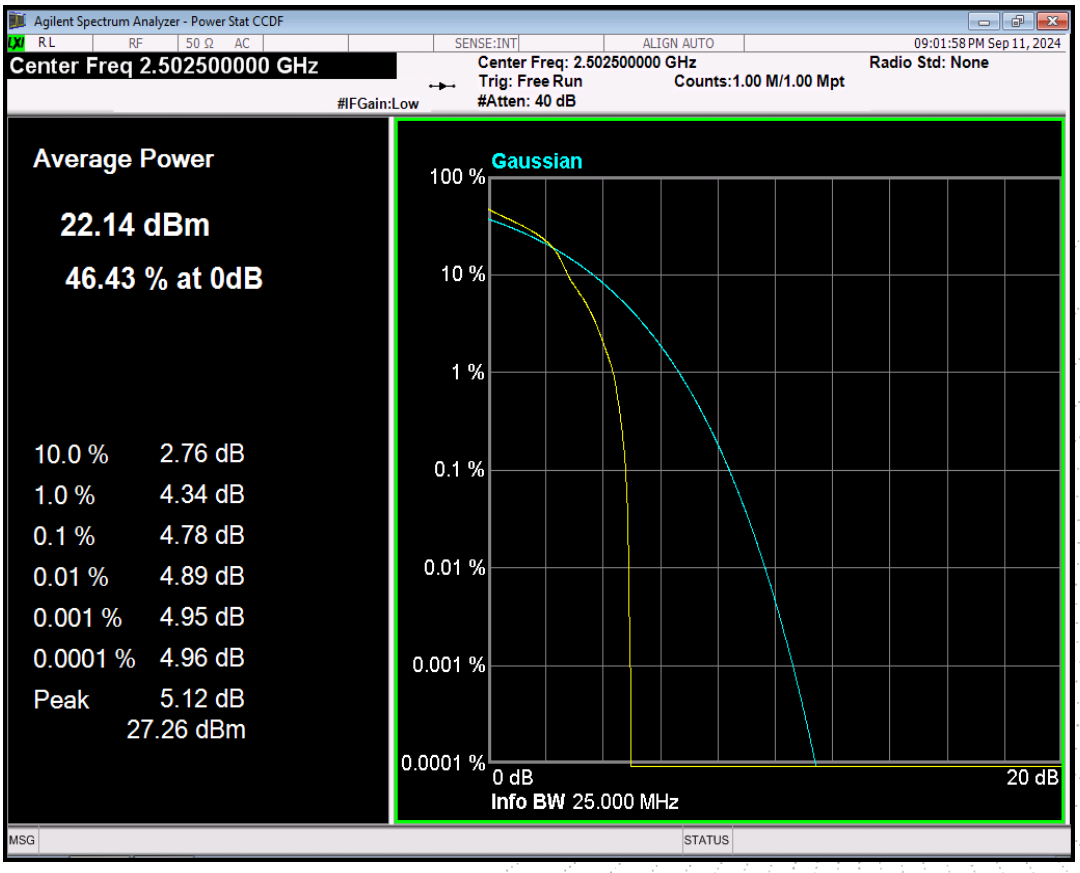
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band7	5	20775	1	#0	QPSK	4.03	13	PASS
Band7	5	20775	1	#0	16QAM	4.78	13	PASS
Band7	5	21100	1	#0	QPSK	4.54	13	PASS
Band7	5	21100	1	#0	16QAM	5.19	13	PASS
Band7	5	21425	1	#0	QPSK	5.09	13	PASS
Band7	5	21425	1	#0	16QAM	5.71	13	PASS
Band7	10	20800	1	#0	QPSK	4.19	13	PASS
Band7	10	20800	1	#0	16QAM	5.02	13	PASS
Band7	10	21100	1	#0	QPSK	4.33	13	PASS
Band7	10	21100	1	#0	16QAM	5.36	13	PASS
Band7	10	21400	1	#0	QPSK	4.50	13	PASS
Band7	10	21400	1	#0	16QAM	5.29	13	PASS
Band7	15	20825	1	#0	QPSK	4.14	13	PASS
Band7	15	20825	1	#0	16QAM	5.07	13	PASS
Band7	15	21100	1	#0	QPSK	4.23	13	PASS
Band7	15	21100	1	#0	16QAM	5.30	13	PASS
Band7	15	21375	1	#0	QPSK	4.32	13	PASS
Band7	15	21375	1	#0	16QAM	5.13	13	PASS
Band7	20	20850	1	#0	QPSK	4.12	13	PASS
Band7	20	20850	1	#0	16QAM	4.83	13	PASS
Band7	20	21100	1	#0	QPSK	4.34	13	PASS
Band7	20	21100	1	#0	16QAM	5.24	13	PASS
Band7	20	21350	1	#0	QPSK	4.29	13	PASS
Band7	20	21350	1	#0	16QAM	5.31	13	PASS

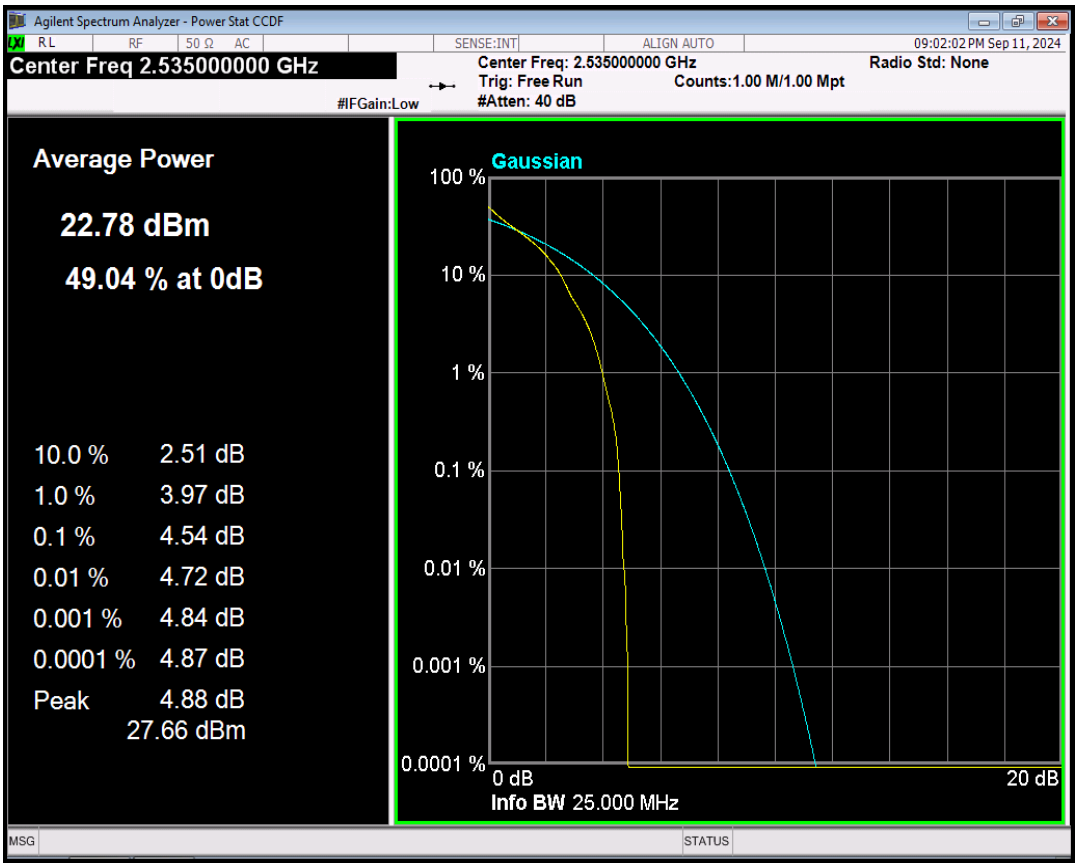
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



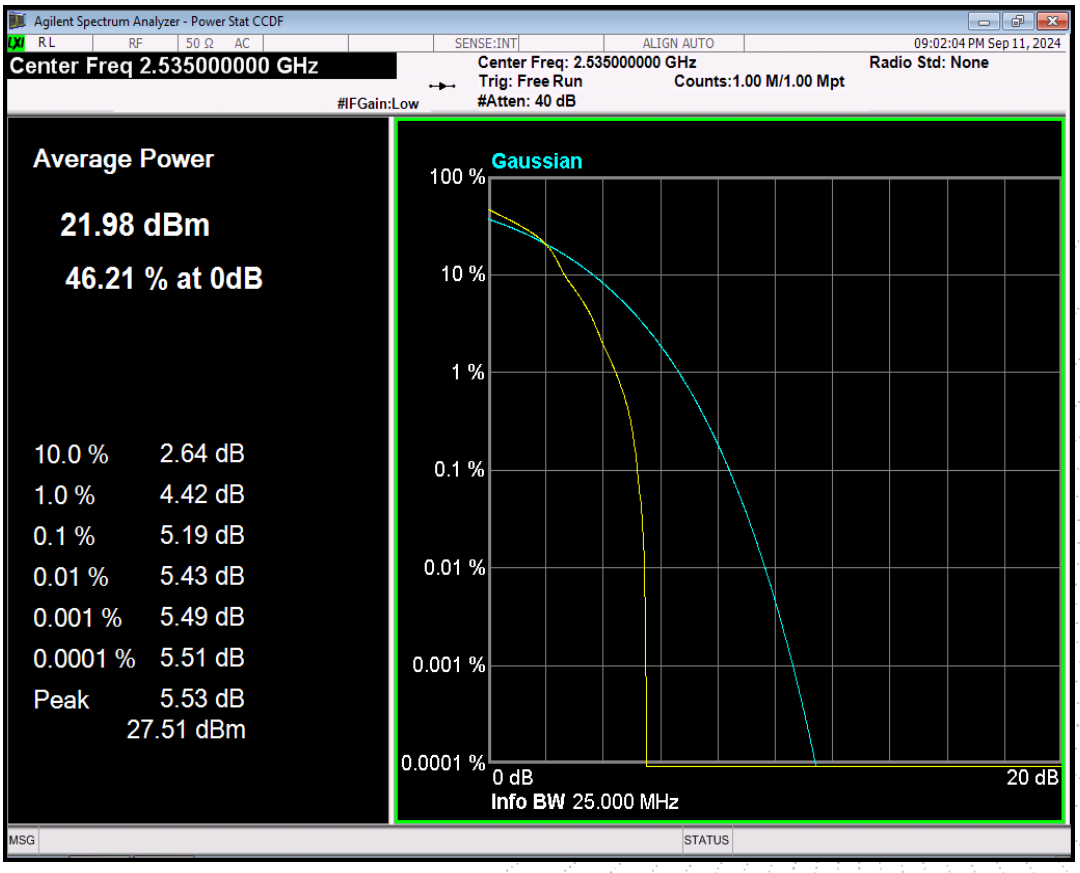
Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0



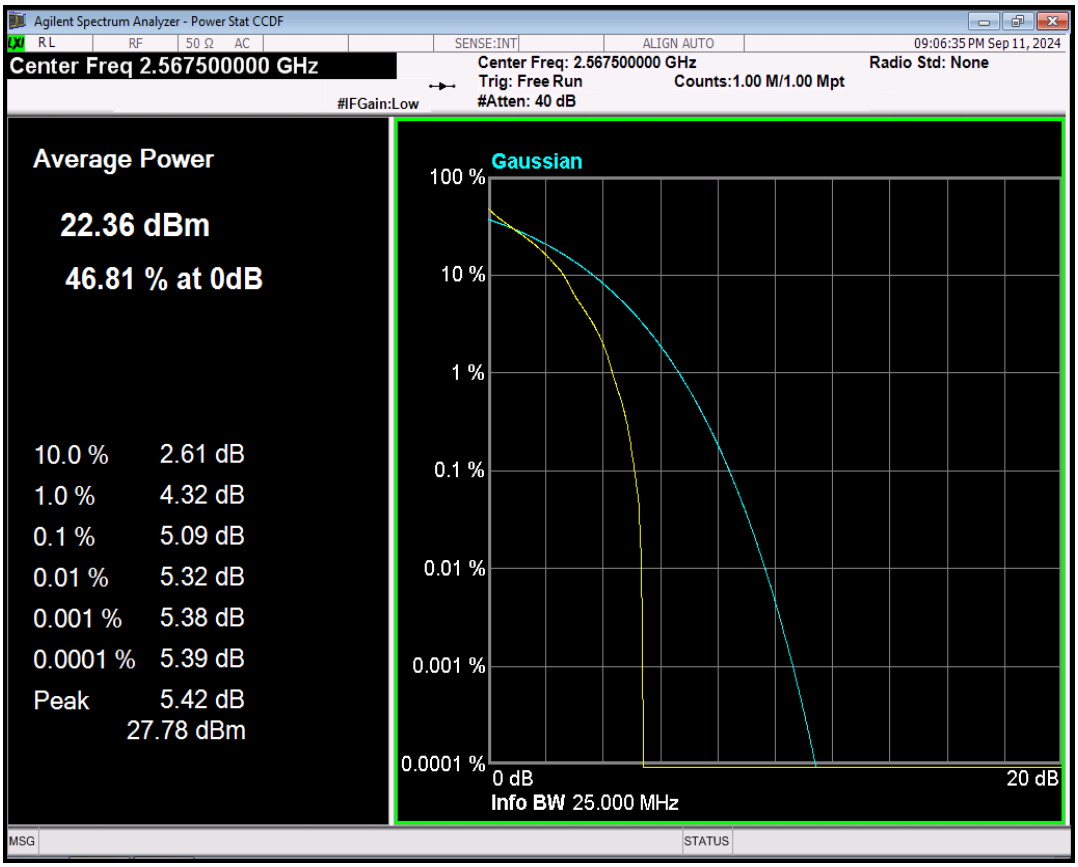
Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0



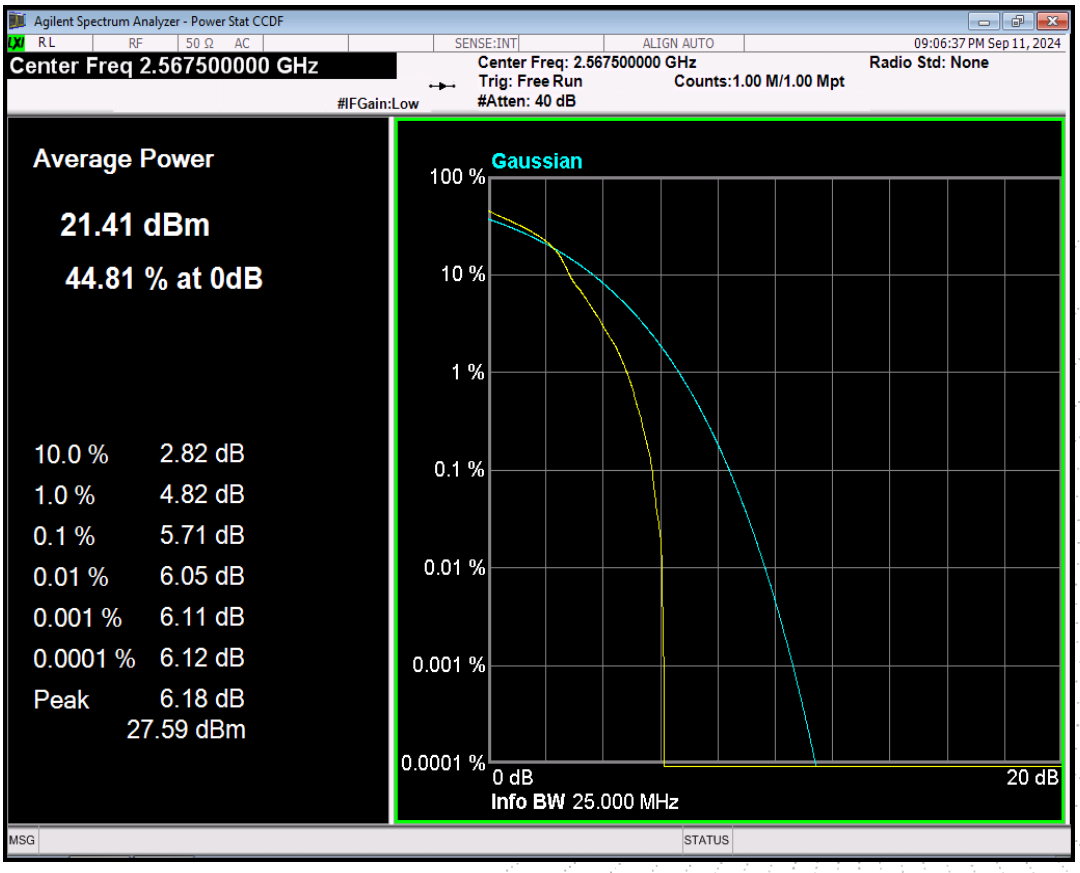
Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



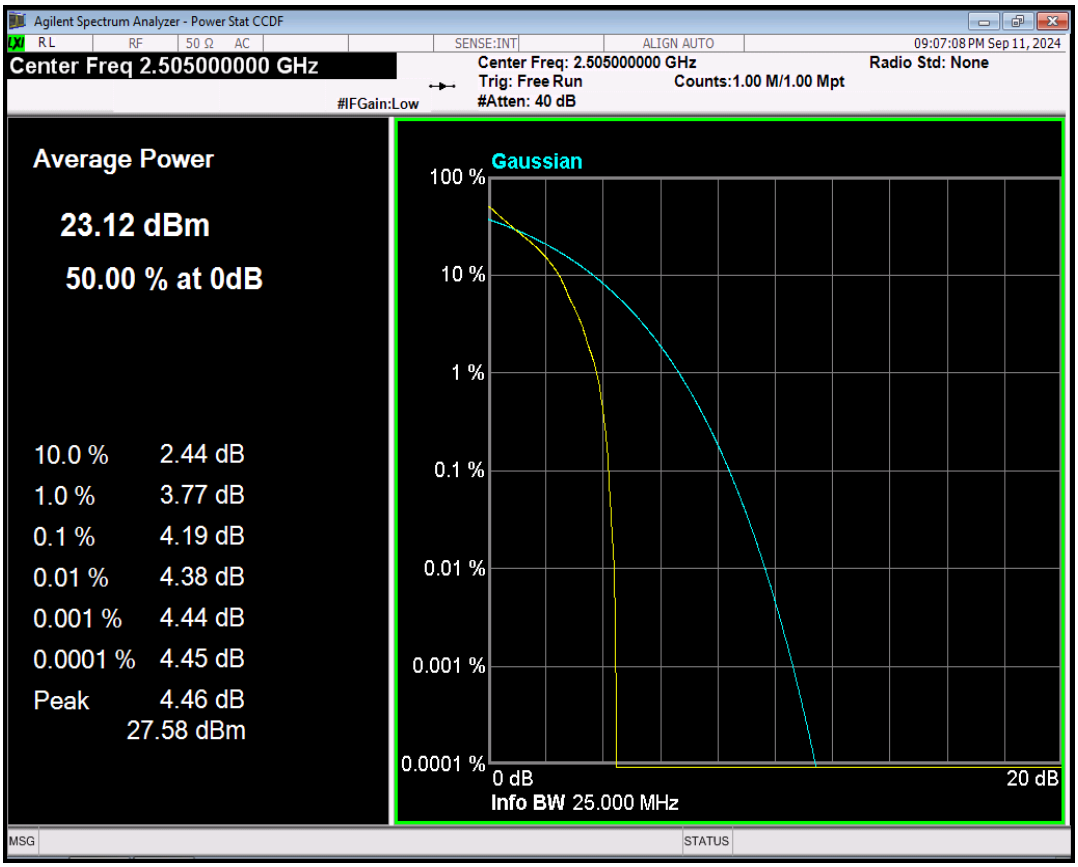
Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0



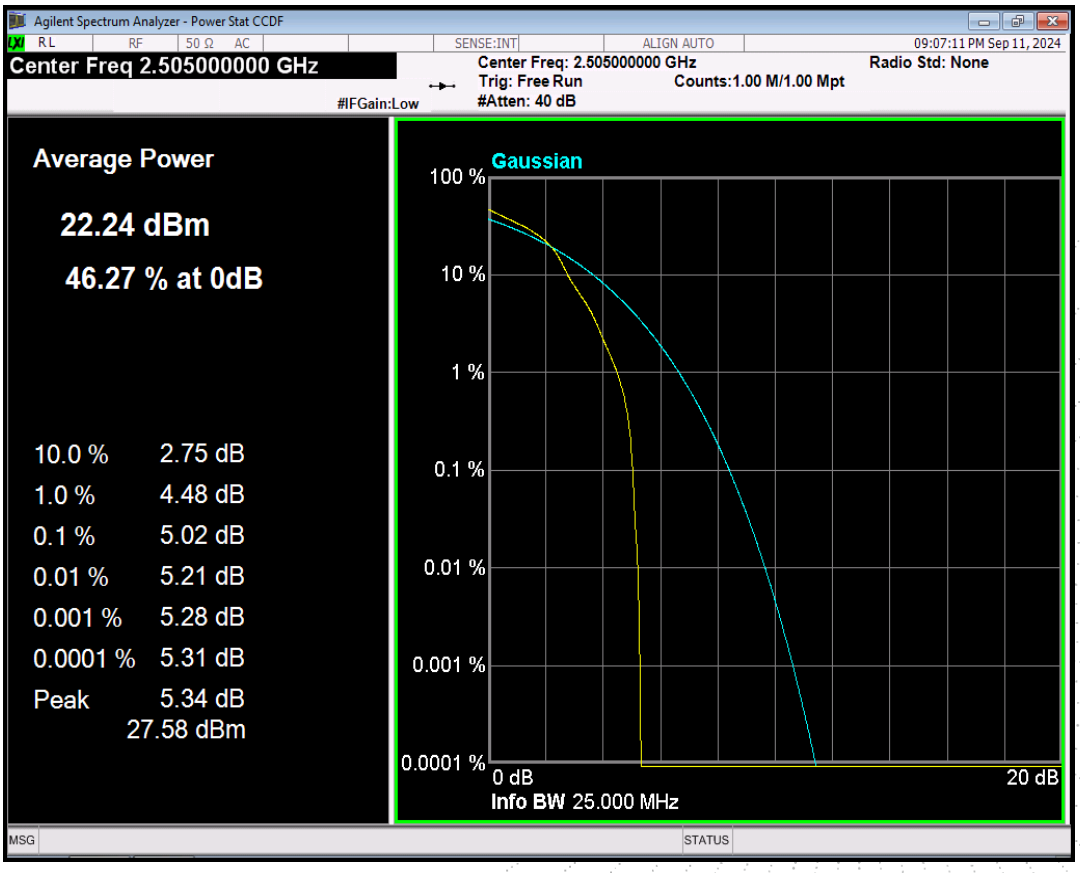
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



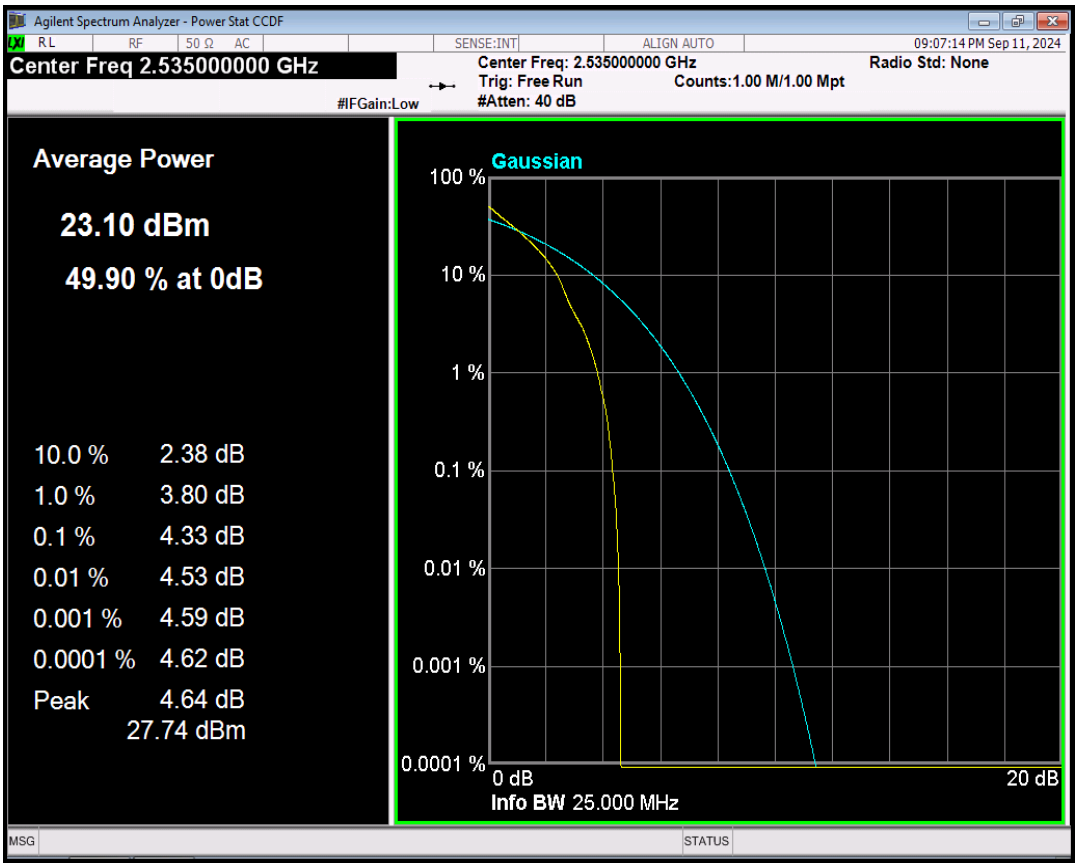
Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



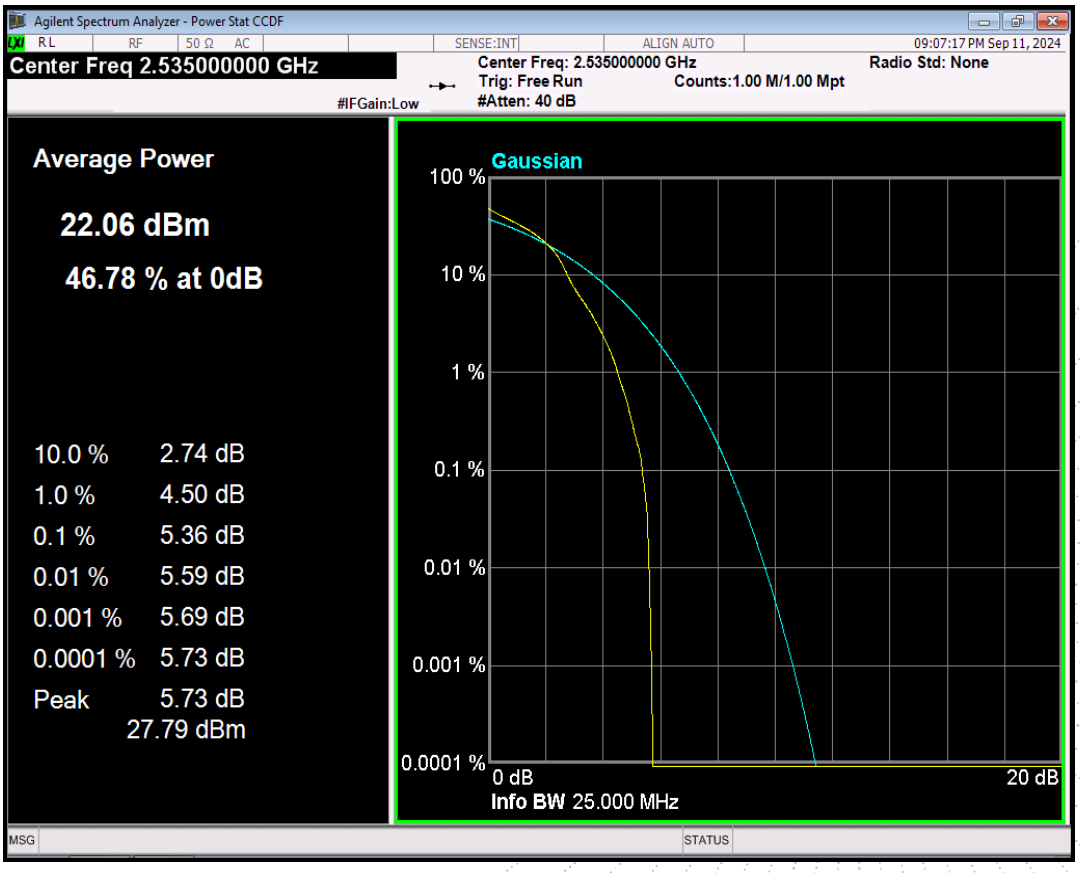
Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0



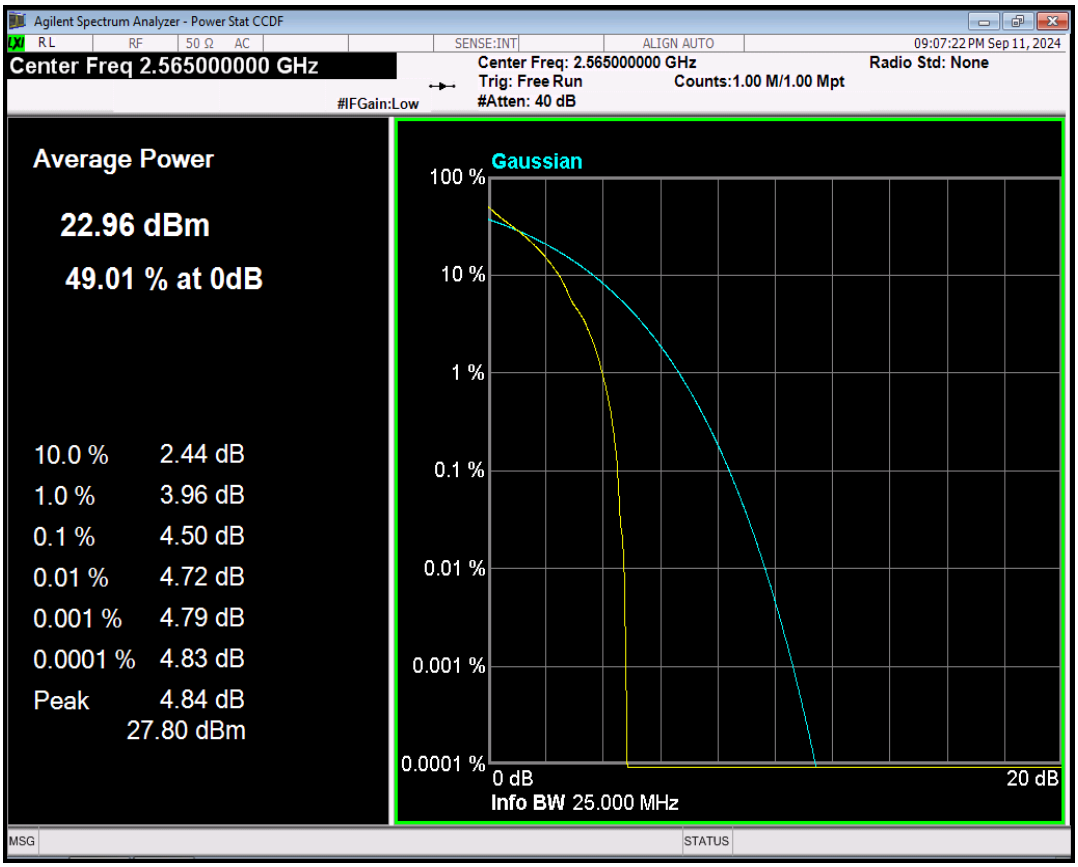
Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0



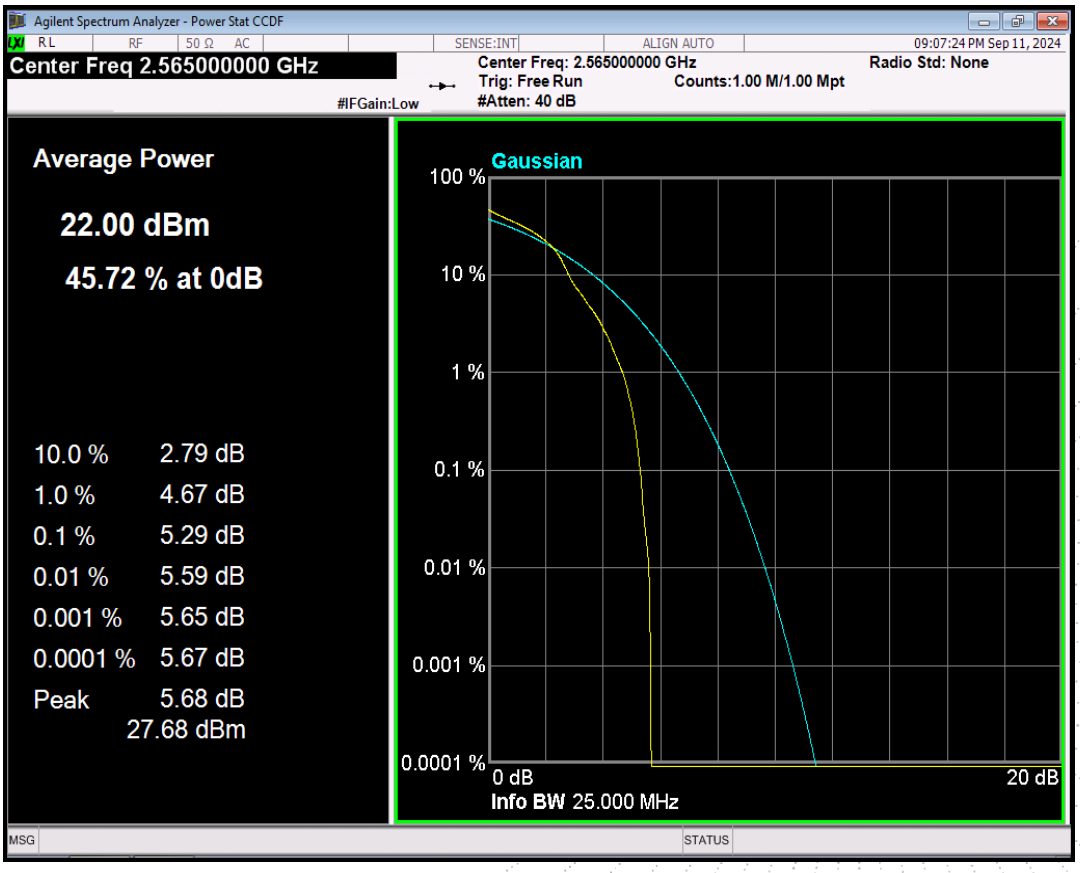
Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0



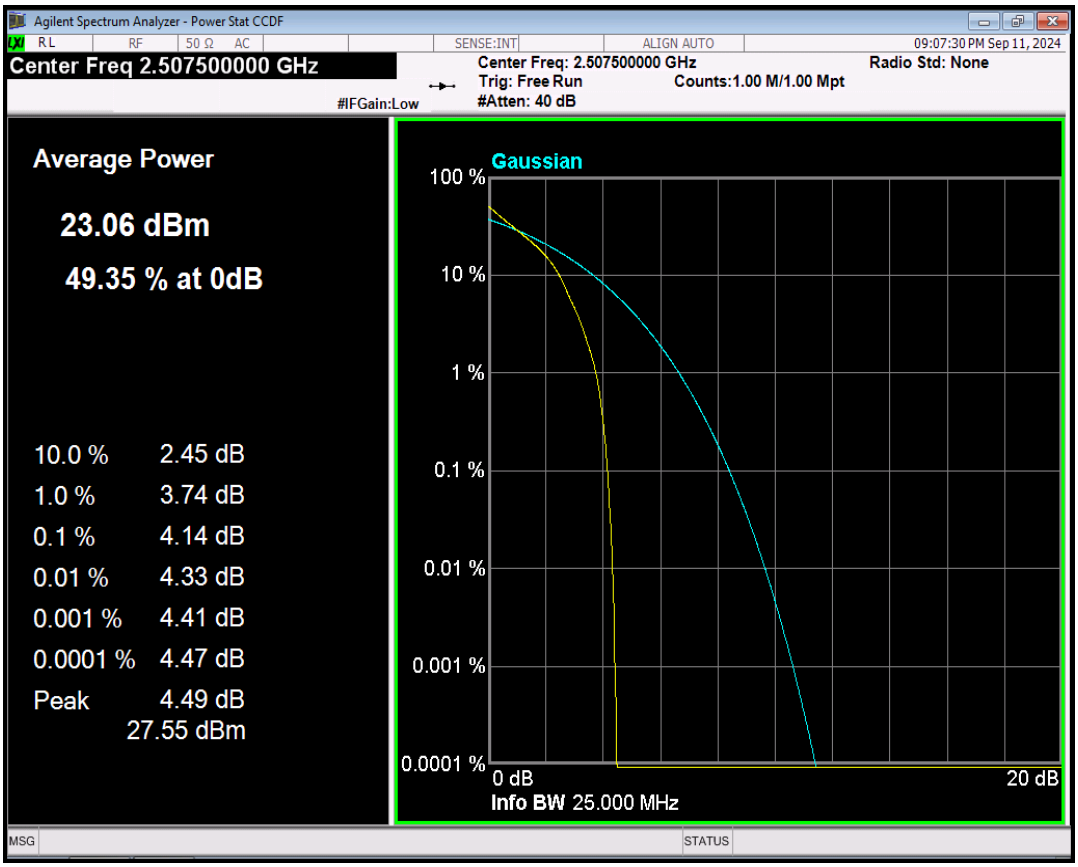
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



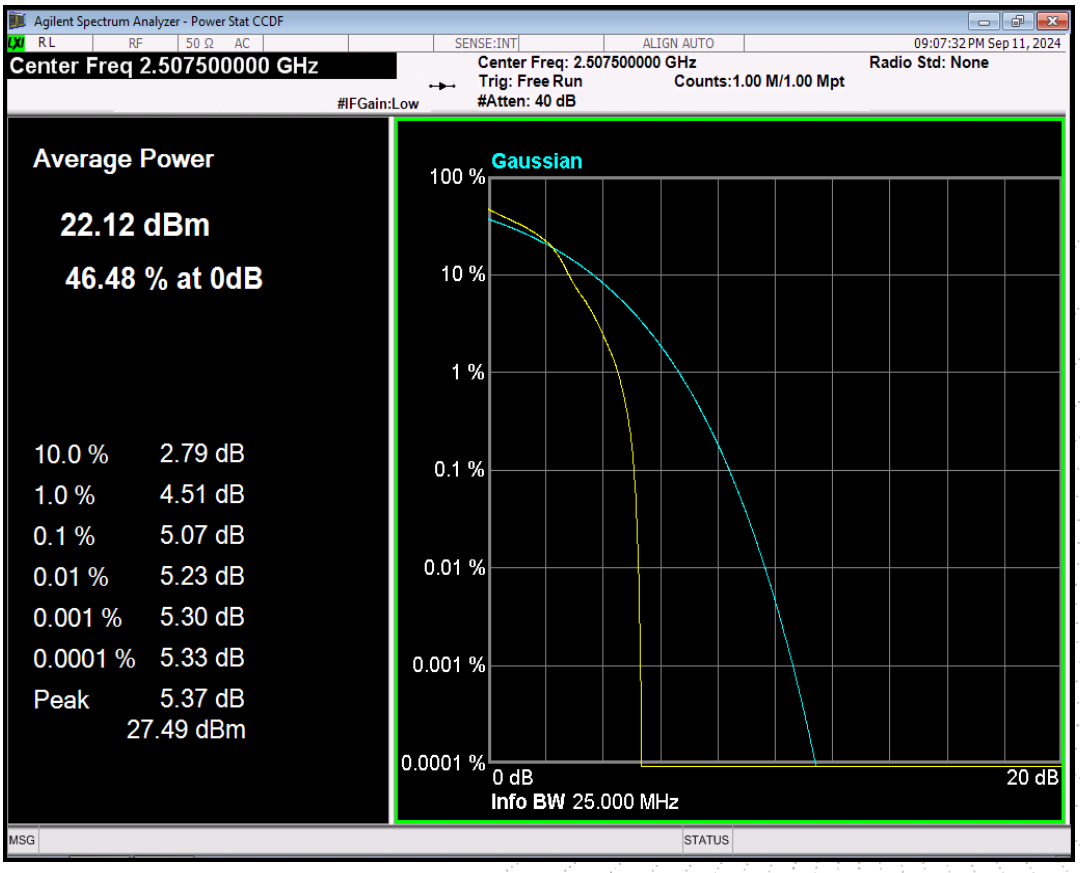
Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0



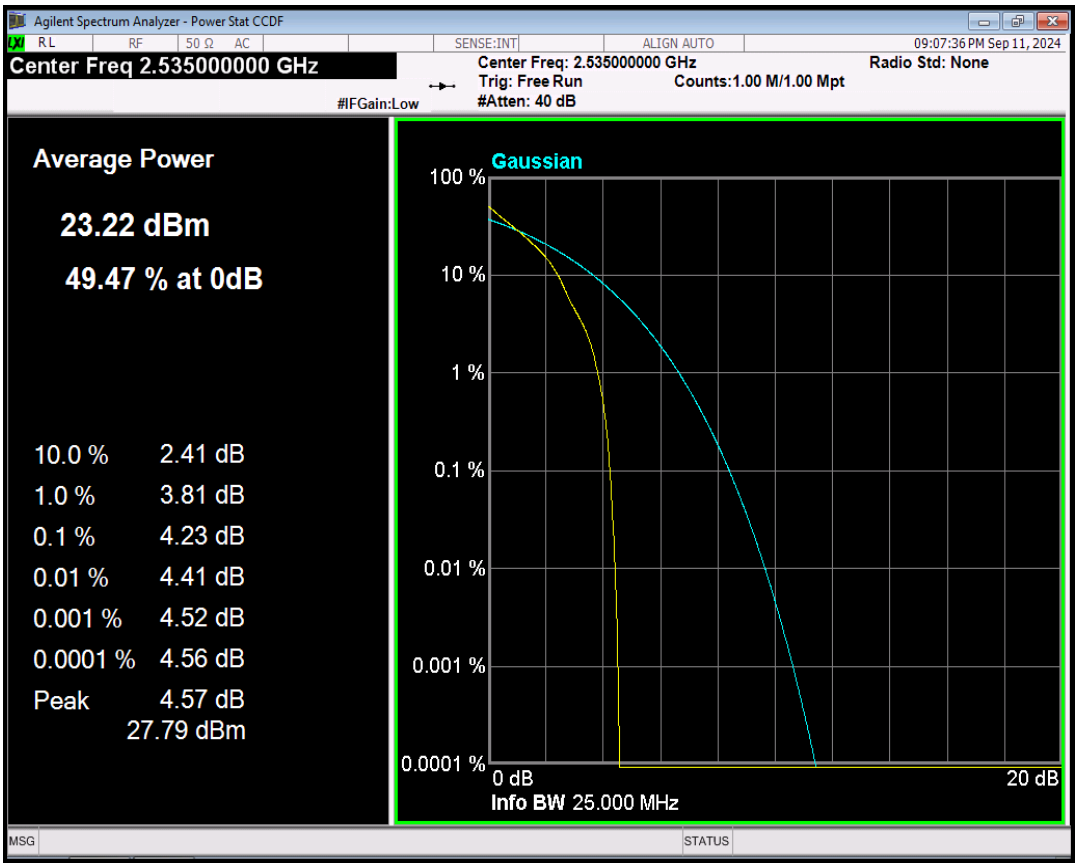
Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0



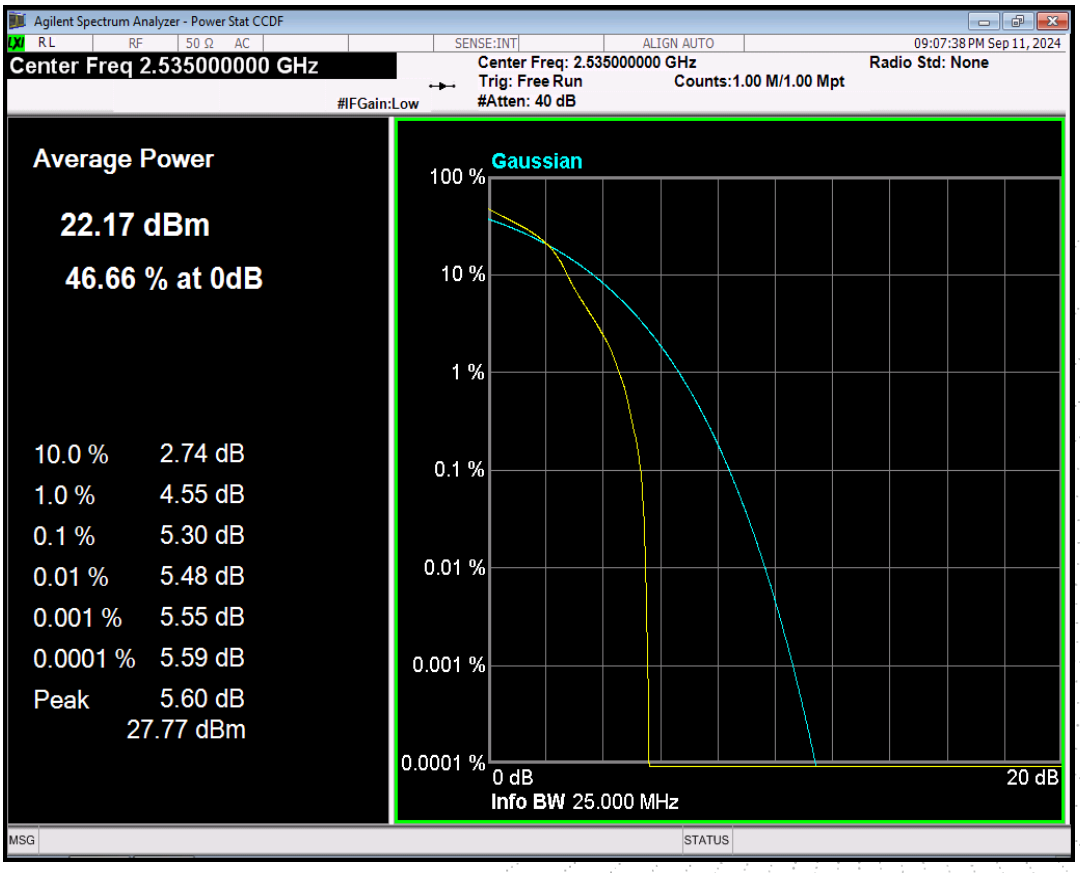
Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



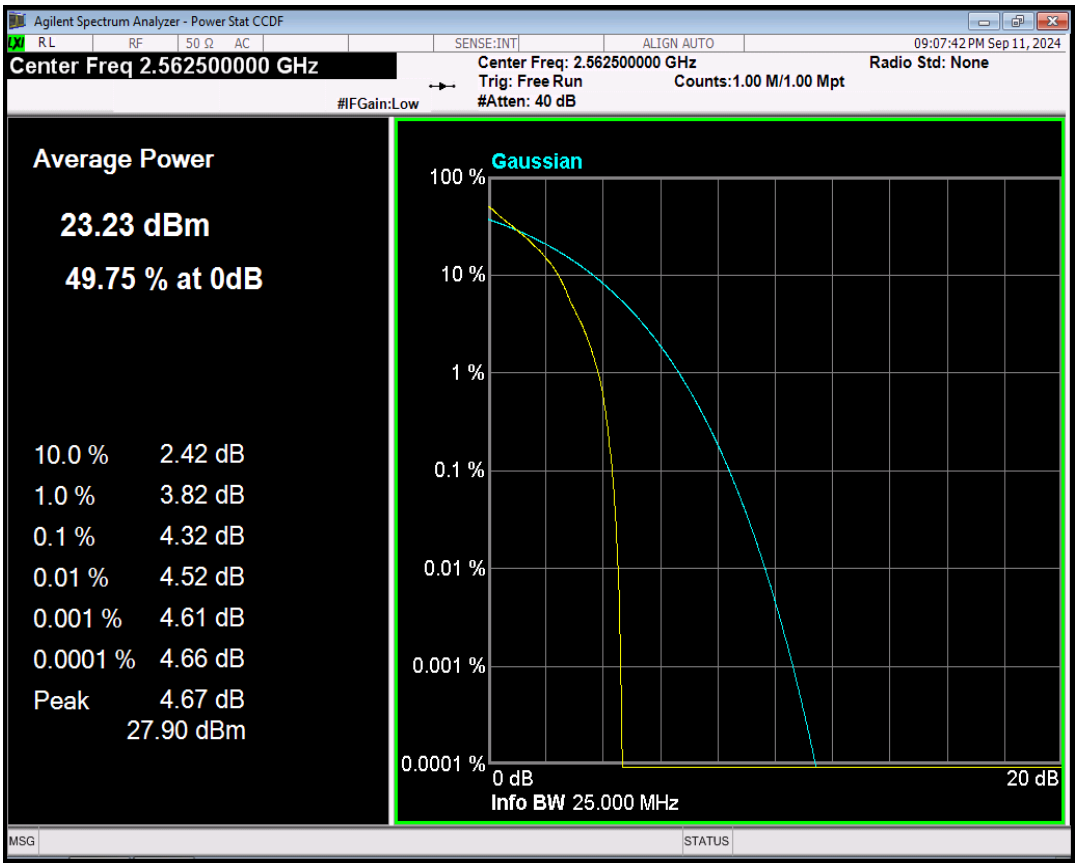
Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0



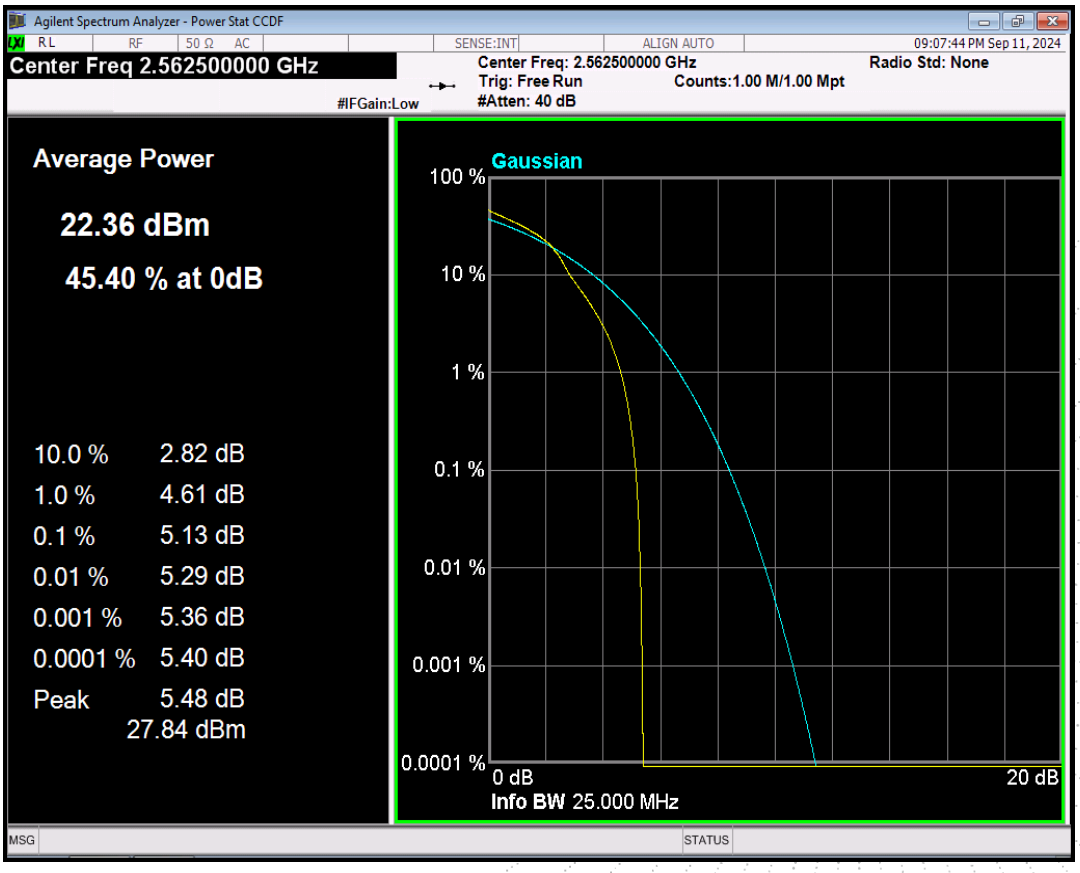
Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



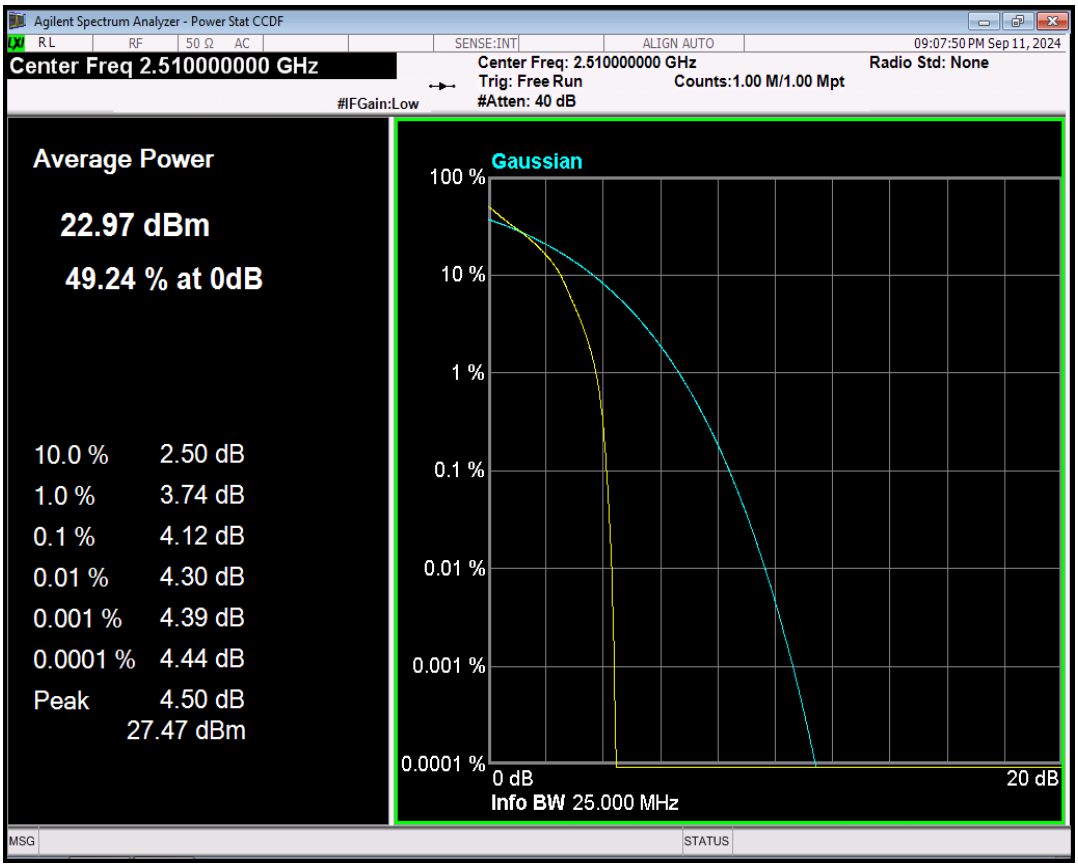
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



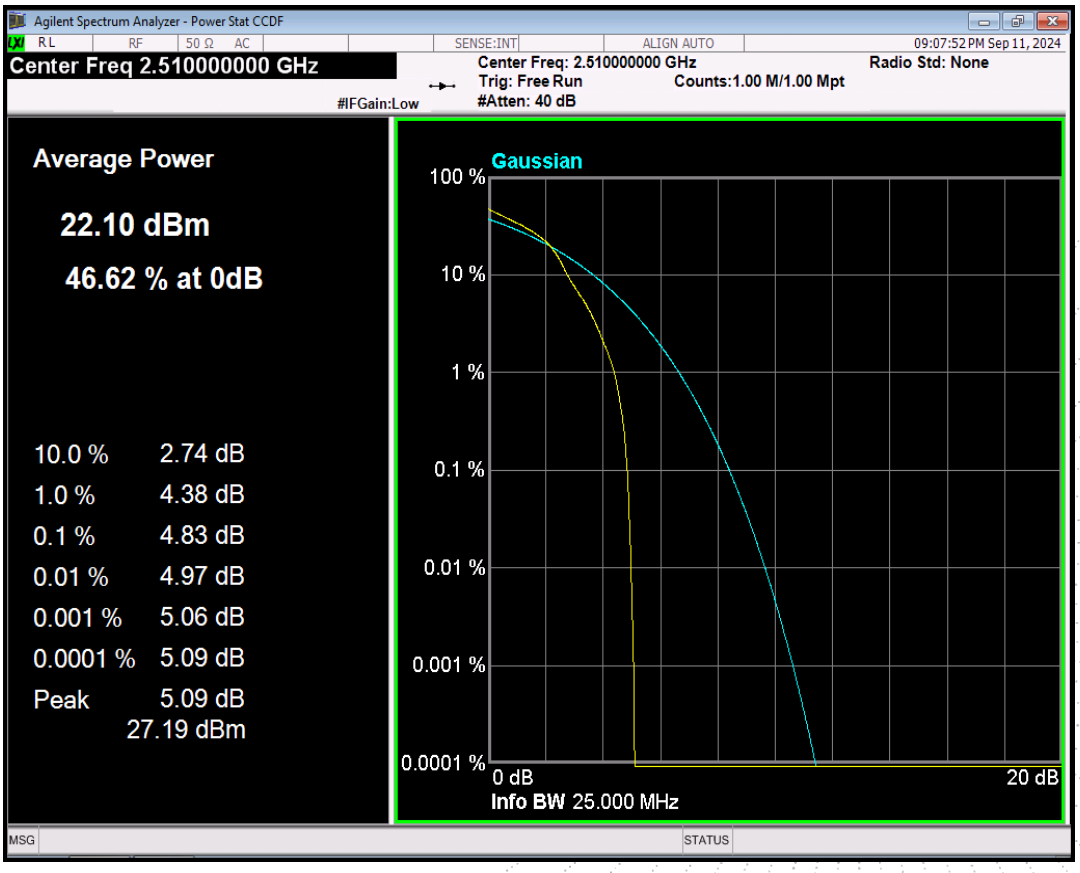
Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0



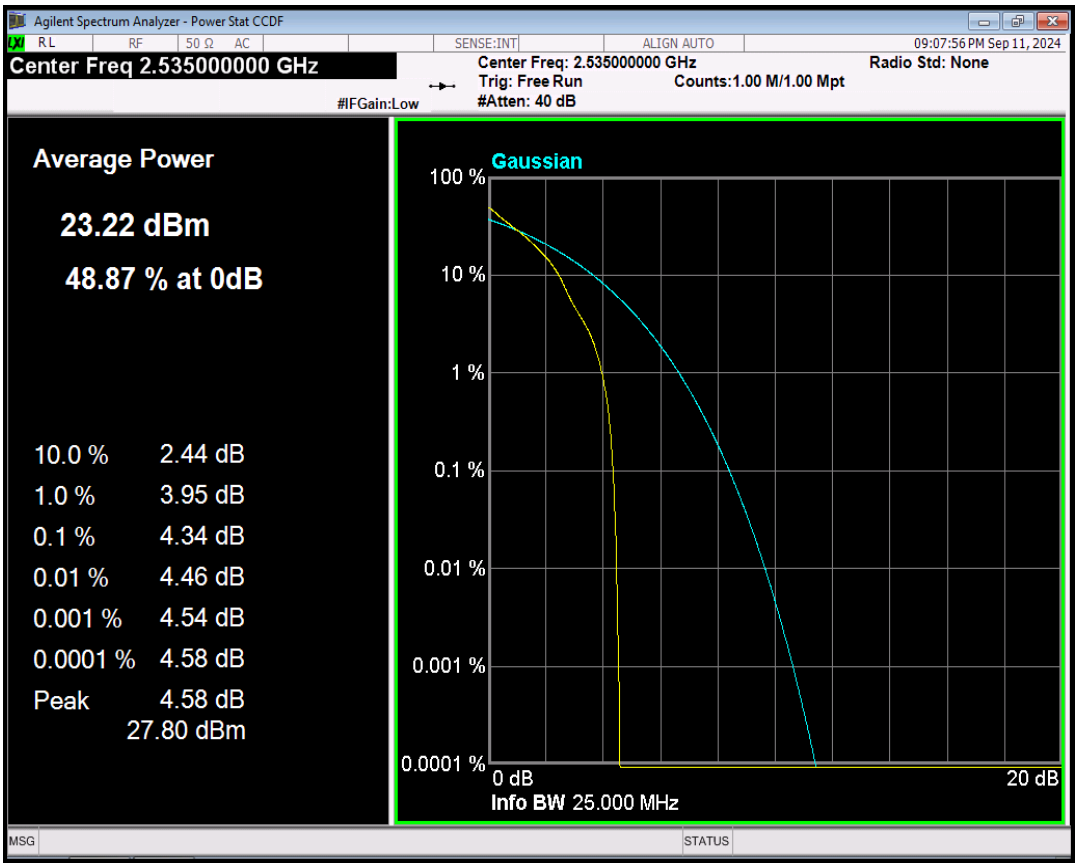
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0



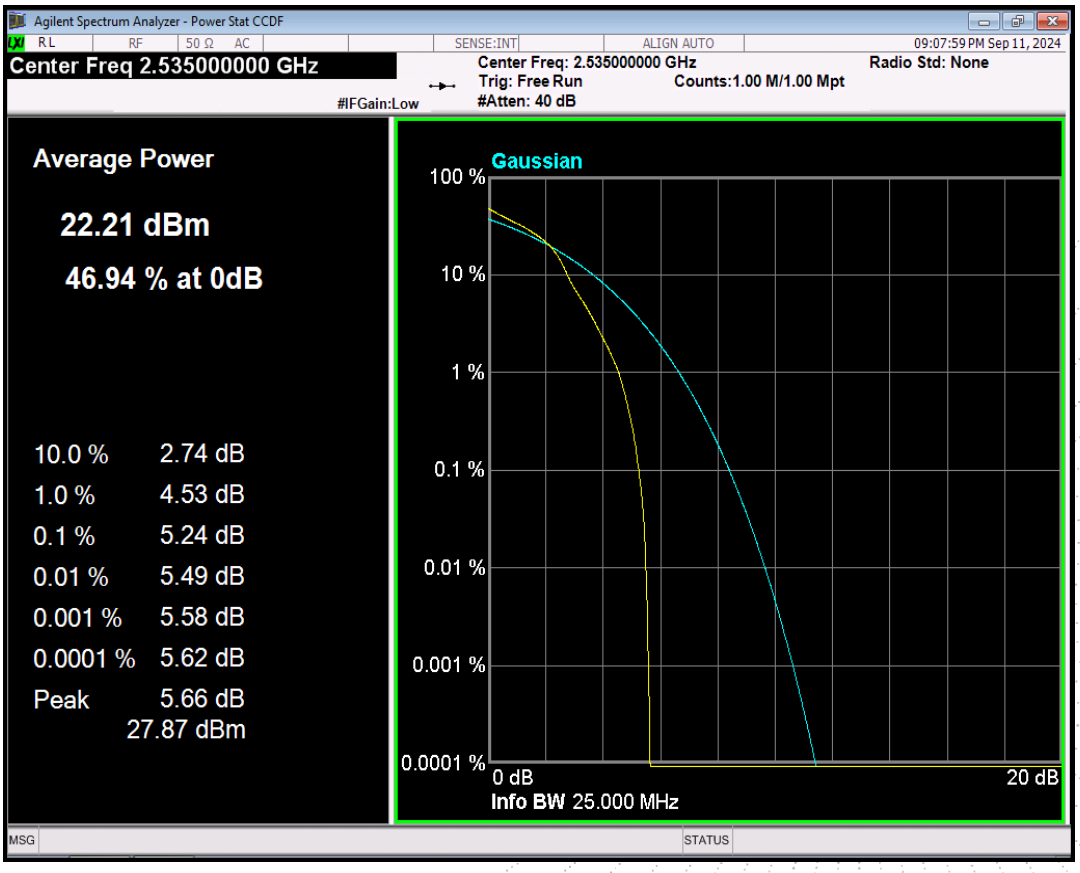
Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0



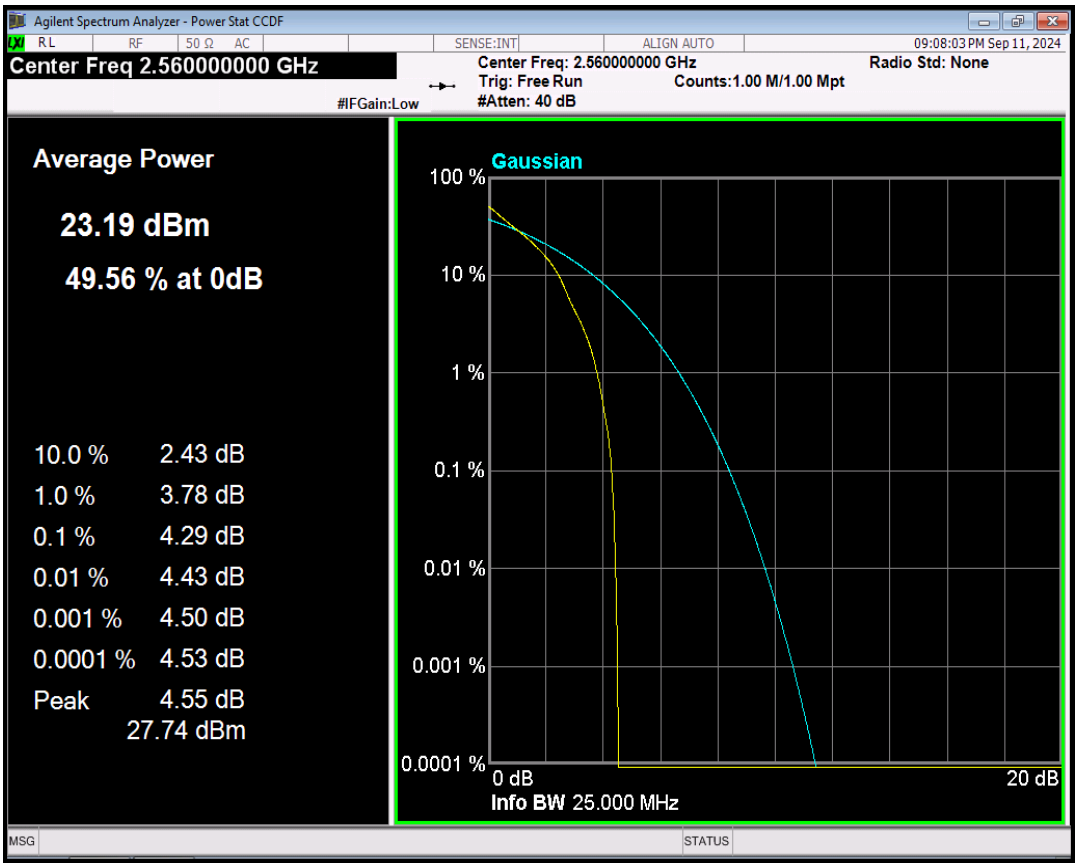
Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0



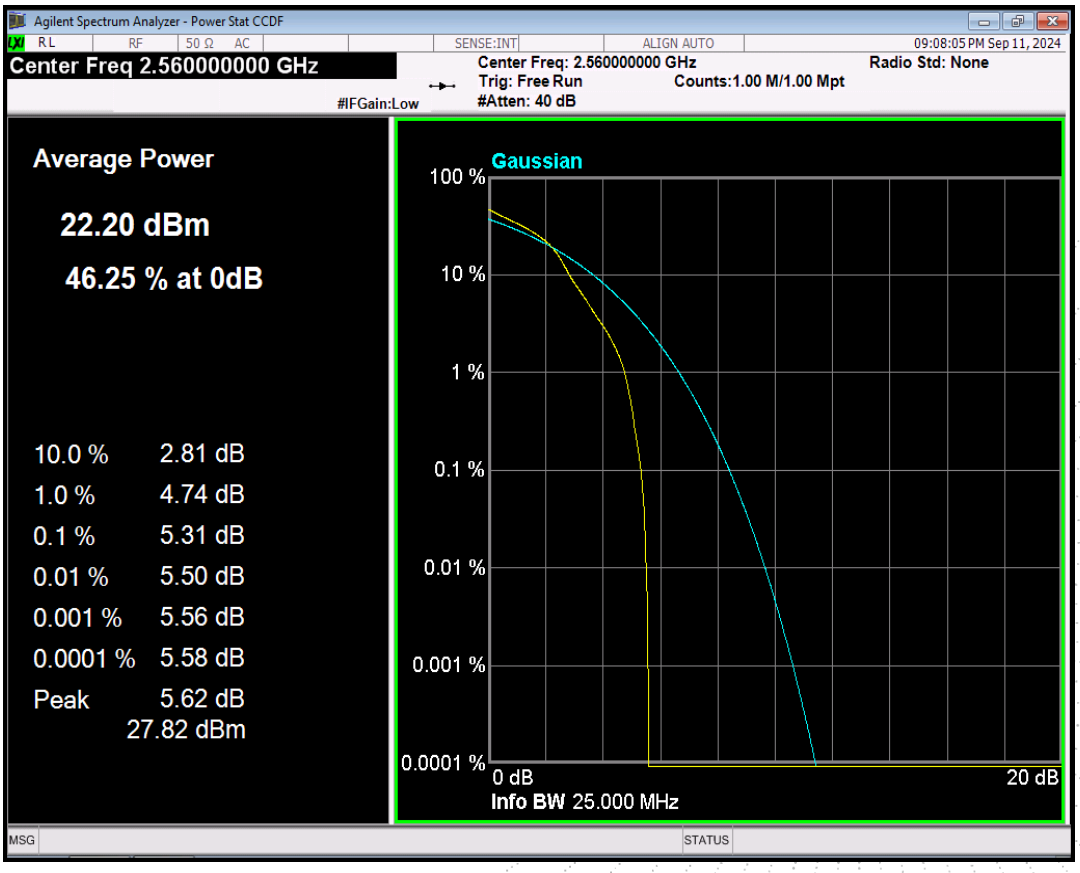
Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



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



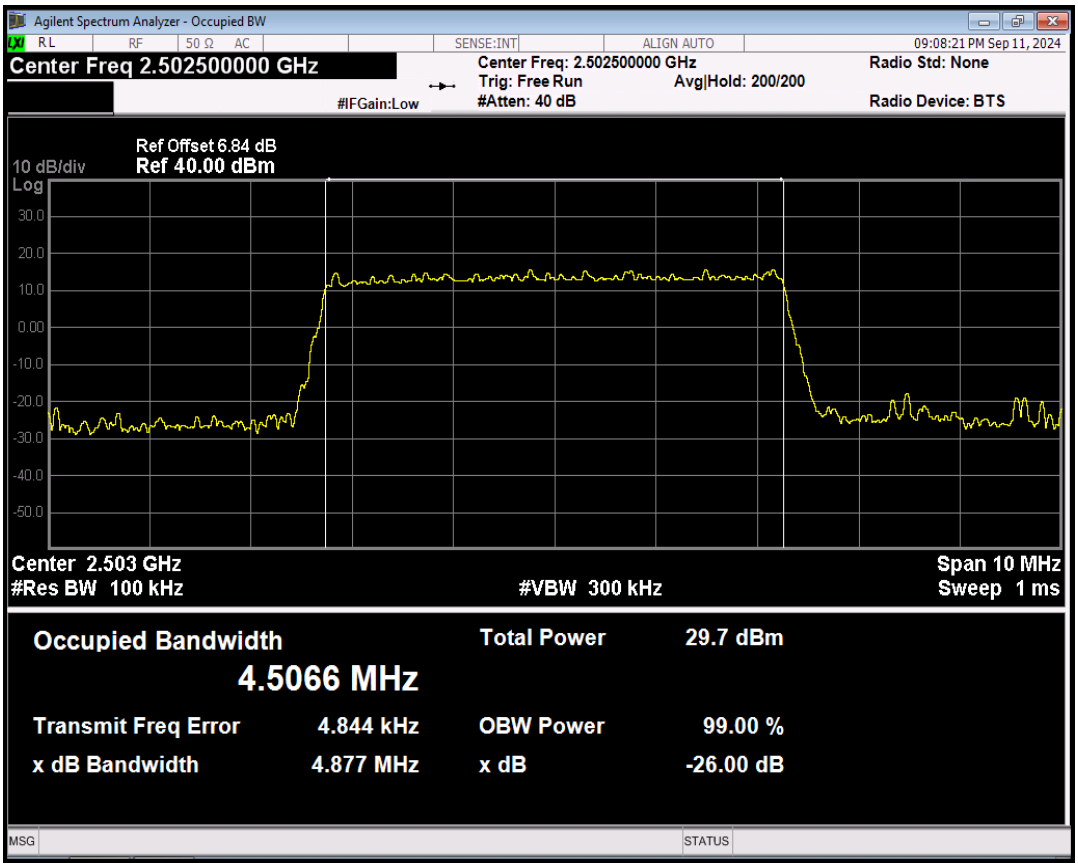
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0



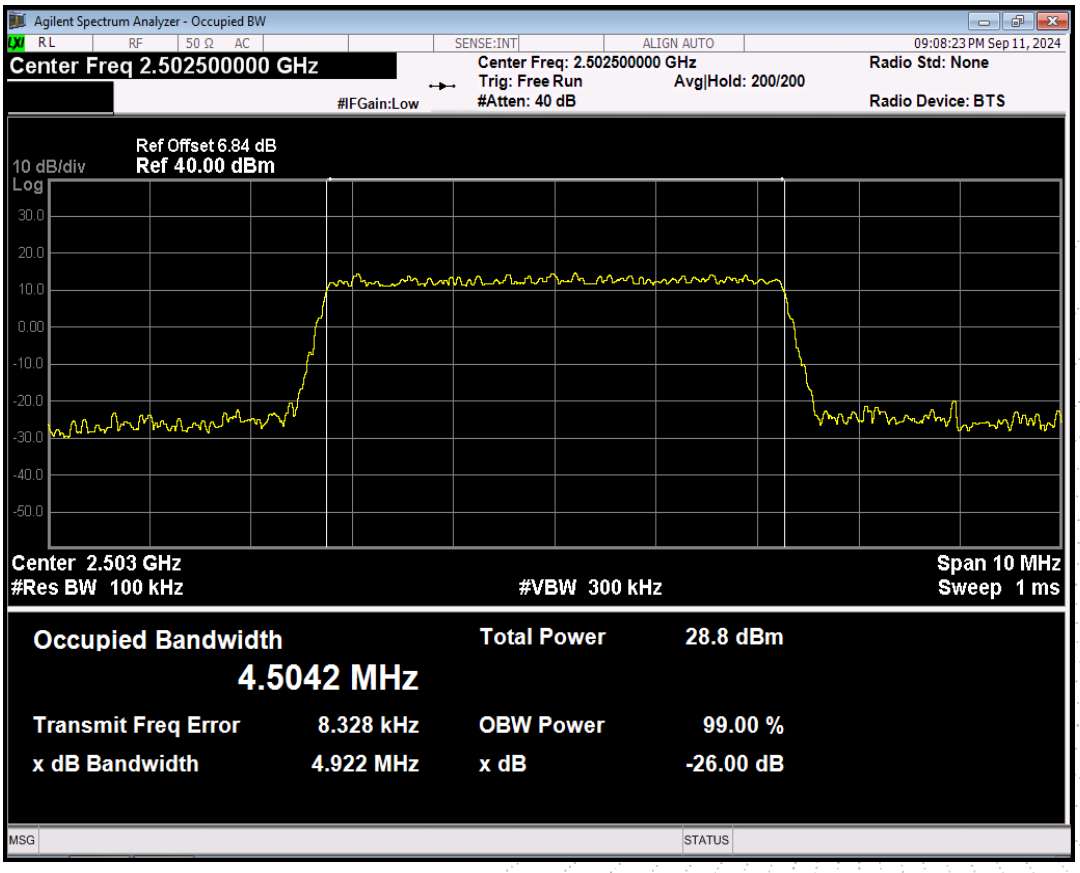
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band7	5	20775	25	#0	QPSK	4.507	4.877	PASS
Band7	5	20775	25	#0	16QAM	4.504	4.922	PASS
Band7	5	21100	25	#0	QPSK	4.505	4.855	PASS
Band7	5	21100	25	#0	16QAM	4.523	4.921	PASS
Band7	5	21425	25	#0	QPSK	4.503	4.910	PASS
Band7	5	21425	25	#0	16QAM	4.500	4.877	PASS
Band7	10	20800	50	#0	QPSK	8.957	9.732	PASS
Band7	10	20800	50	#0	16QAM	8.981	9.650	PASS
Band7	10	21100	50	#0	QPSK	8.995	9.684	PASS
Band7	10	21100	50	#0	16QAM	8.999	9.782	PASS
Band7	10	21400	50	#0	QPSK	8.994	9.690	PASS
Band7	10	21400	50	#0	16QAM	8.969	9.659	PASS
Band7	15	20825	75	#0	QPSK	13.429	14.434	PASS
Band7	15	20825	75	#0	16QAM	13.462	14.568	PASS
Band7	15	21100	75	#0	QPSK	13.406	14.549	PASS
Band7	15	21100	75	#0	16QAM	13.466	14.425	PASS
Band7	15	21375	75	#0	QPSK	13.458	14.479	PASS
Band7	15	21375	75	#0	16QAM	13.499	14.489	PASS
Band7	20	20850	100	#0	QPSK	17.960	19.227	PASS
Band7	20	20850	100	#0	16QAM	17.984	19.266	PASS
Band7	20	21100	100	#0	QPSK	17.921	19.262	PASS
Band7	20	21100	100	#0	16QAM	17.928	19.244	PASS
Band7	20	21350	100	#0	QPSK	17.903	19.150	PASS
Band7	20	21350	100	#0	16QAM	17.912	19.173	PASS

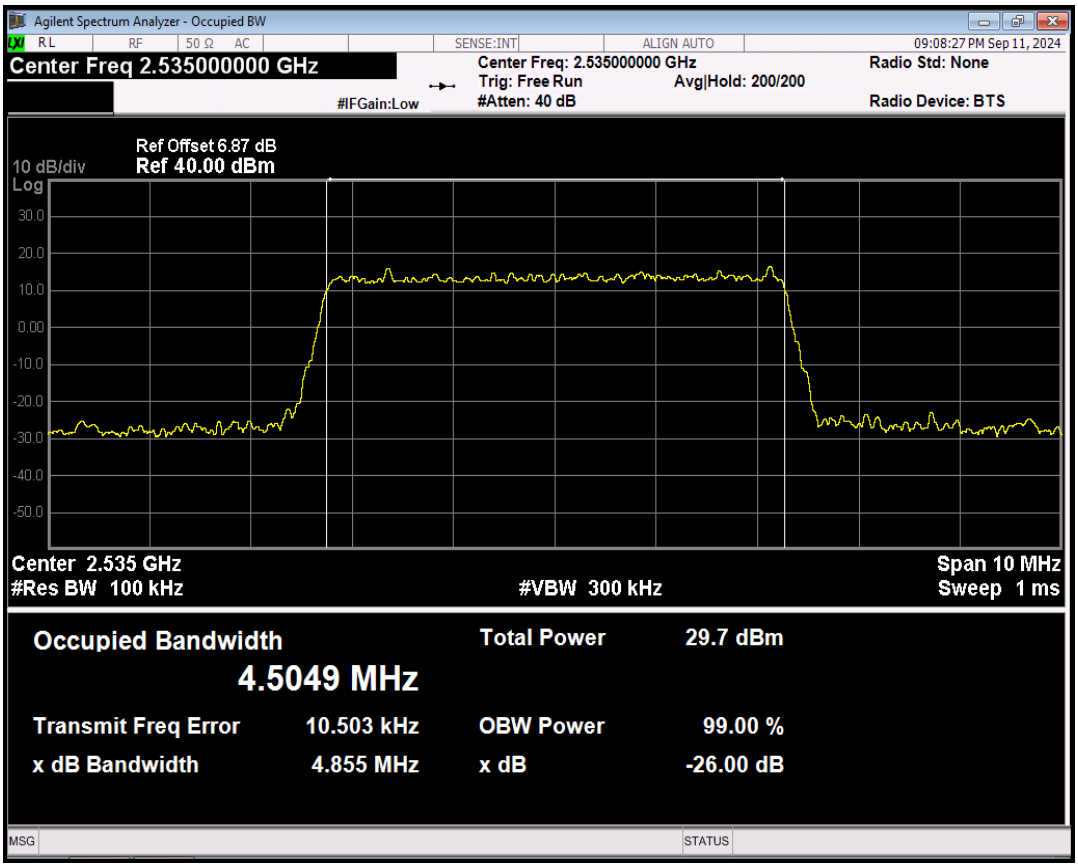
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0



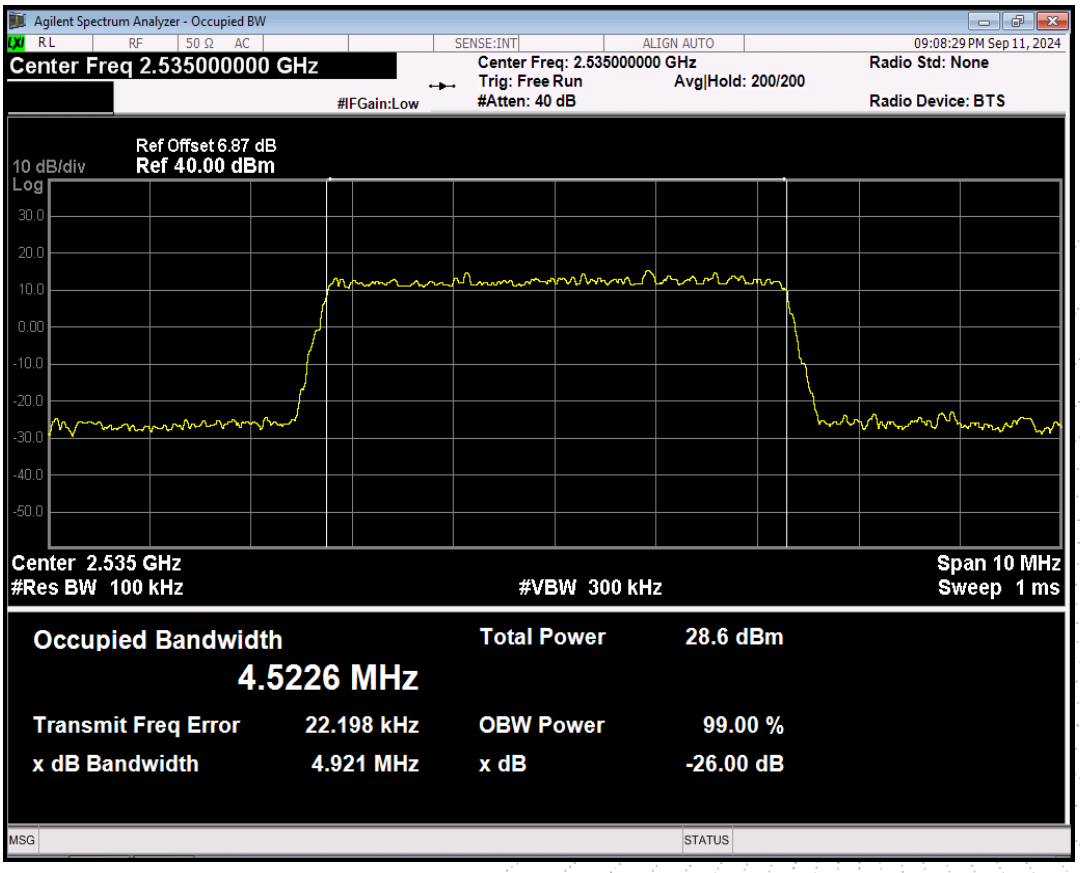
Band7 16QAM BW=5MHz Channel=20775 RB Size=25 Position=#0



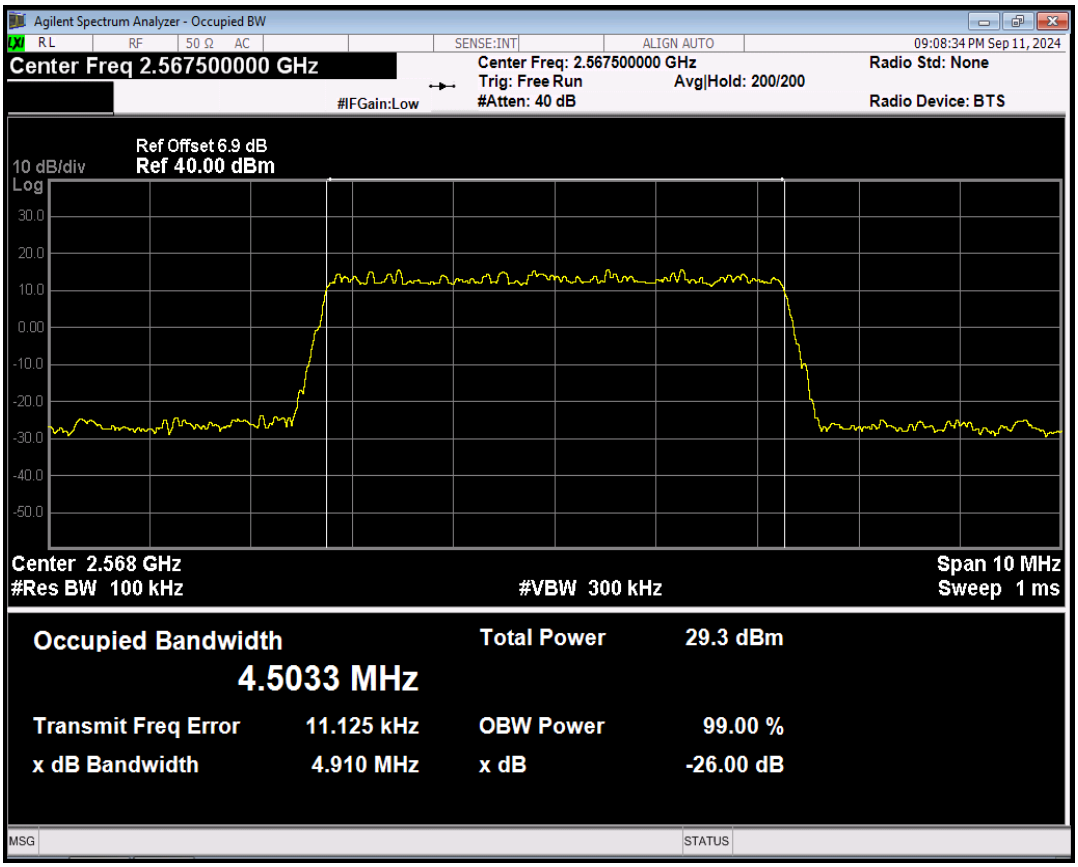
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0



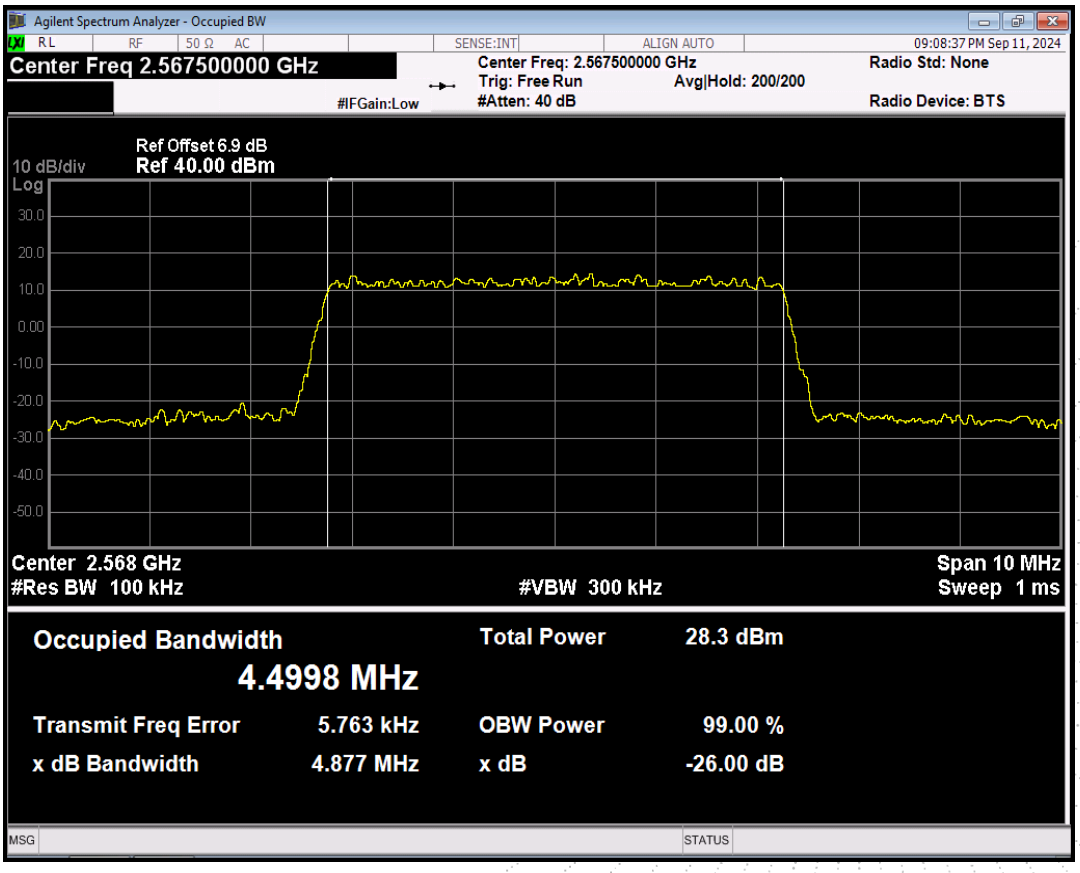
Band7 16QAM BW=5MHz Channel=21100 RB Size=25 Position=#0



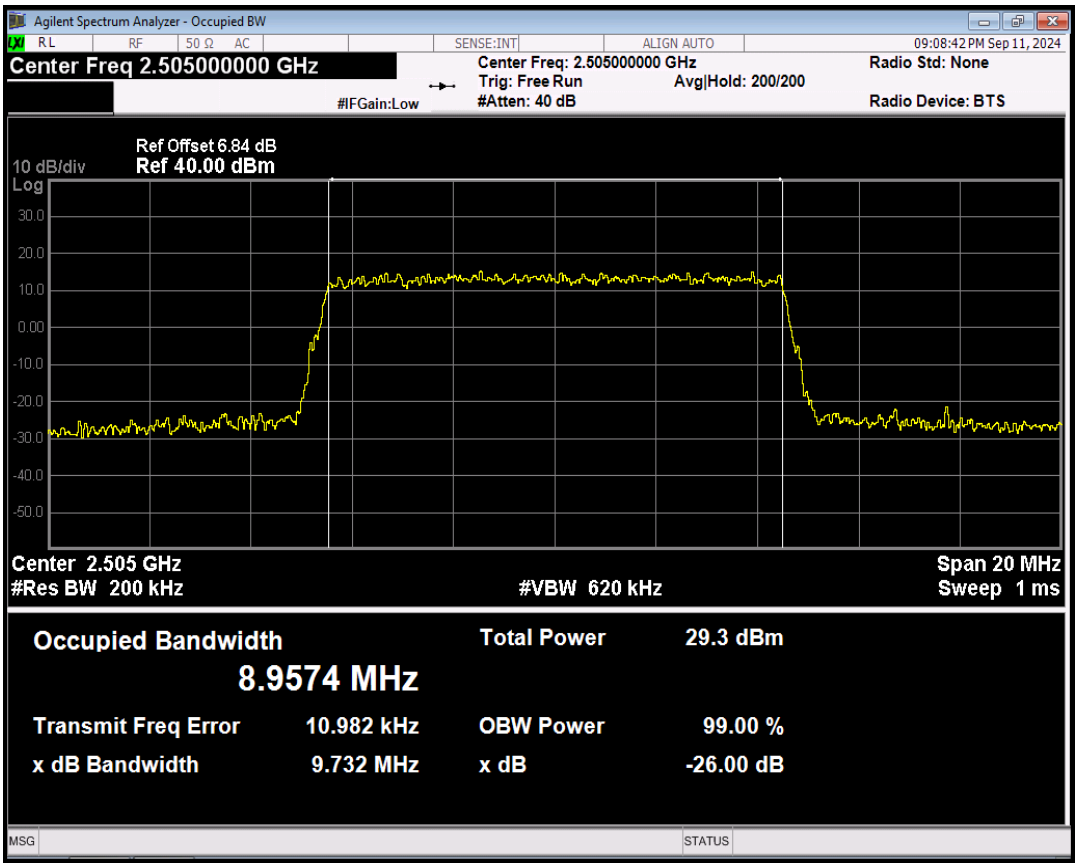
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0



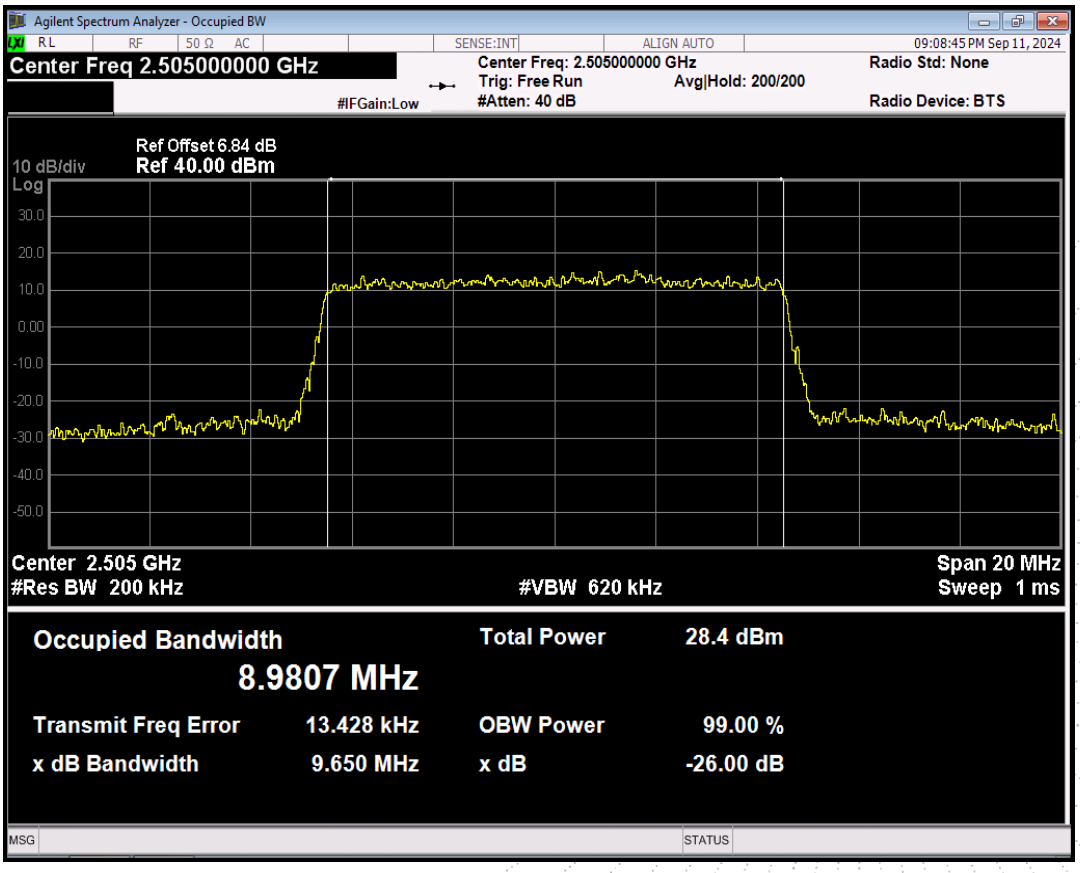
Band7 16QAM BW=5MHz Channel=21425 RB Size=25 Position=#0



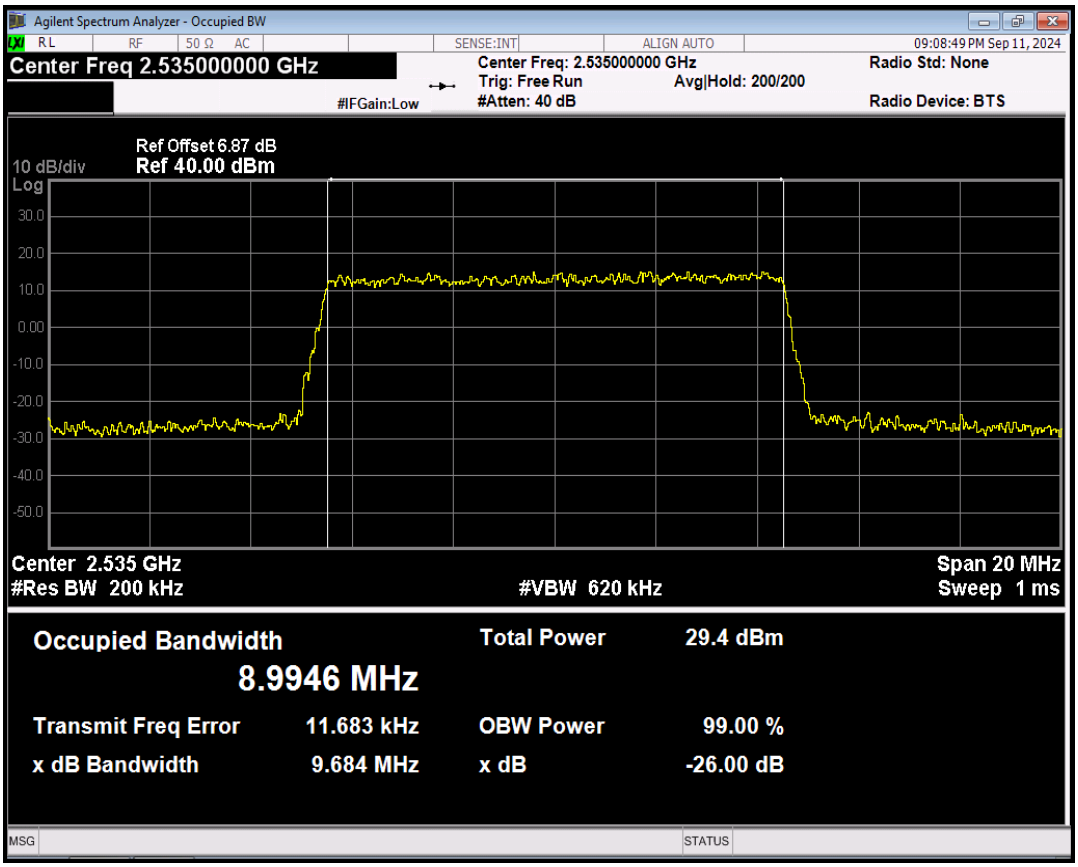
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0



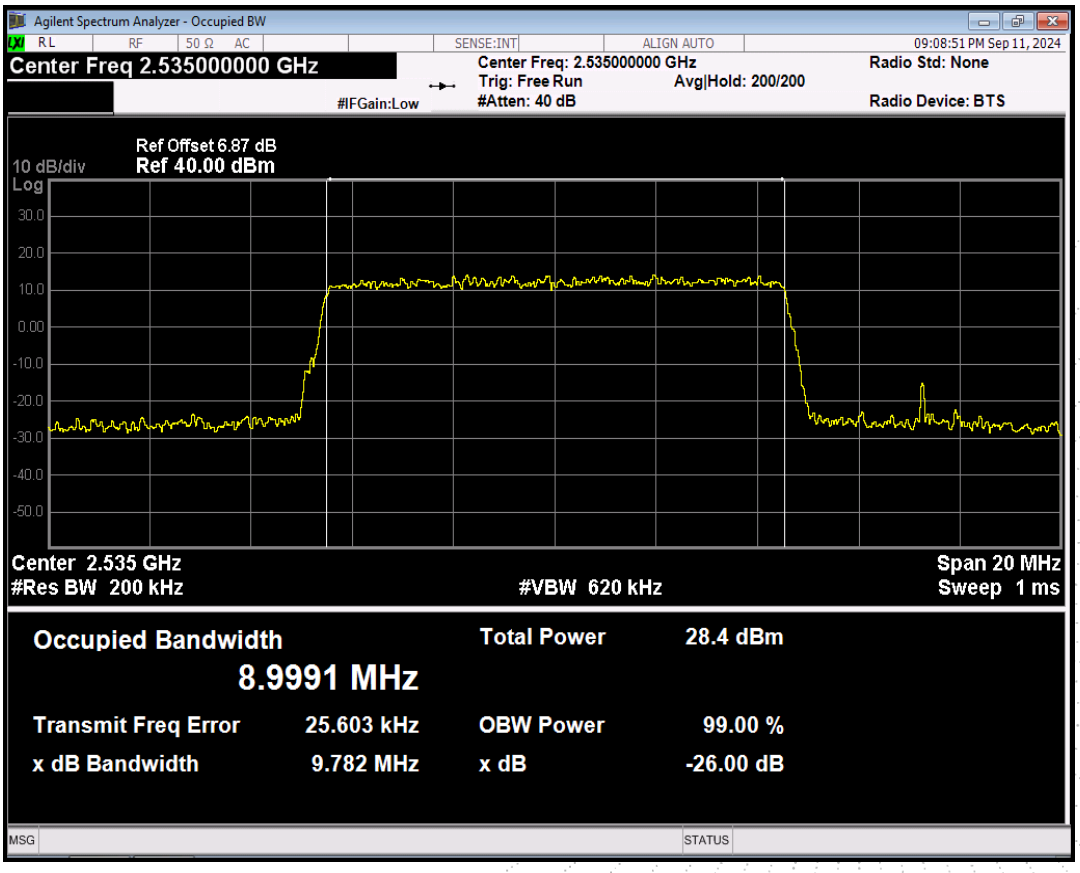
Band7 16QAM BW=10MHz Channel=20800 RB Size=50 Position=#0



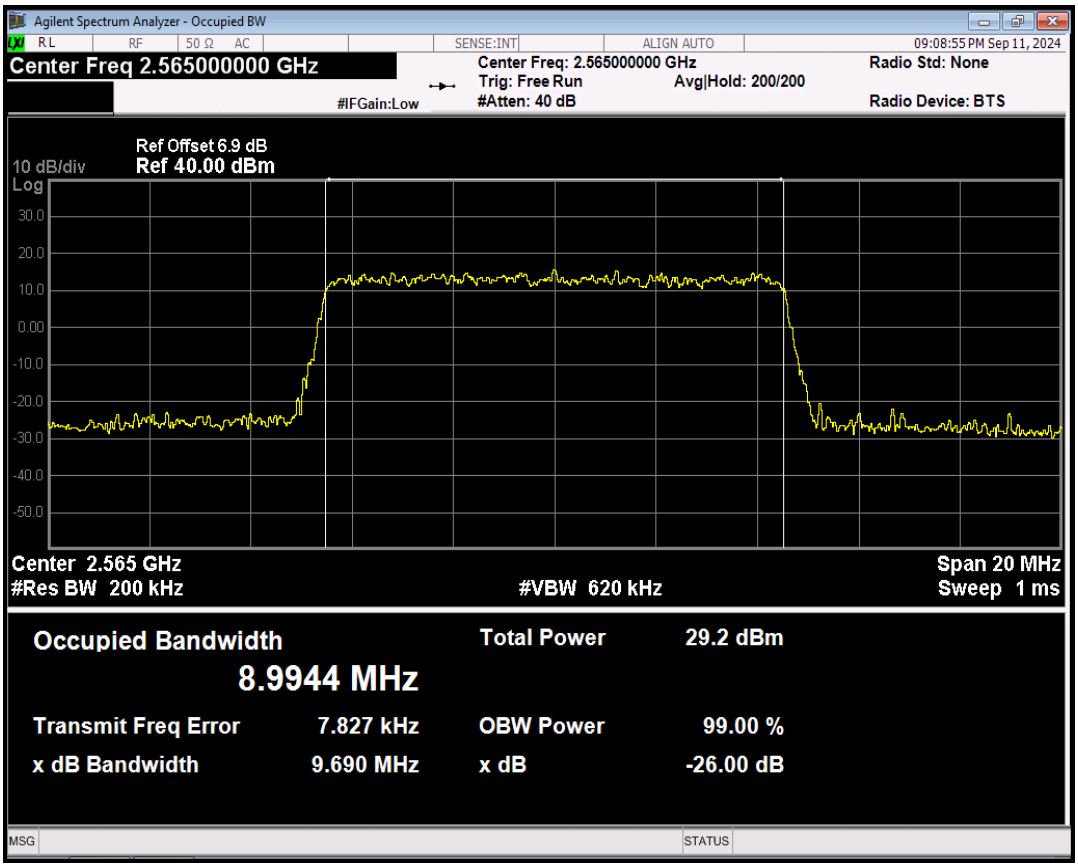
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0



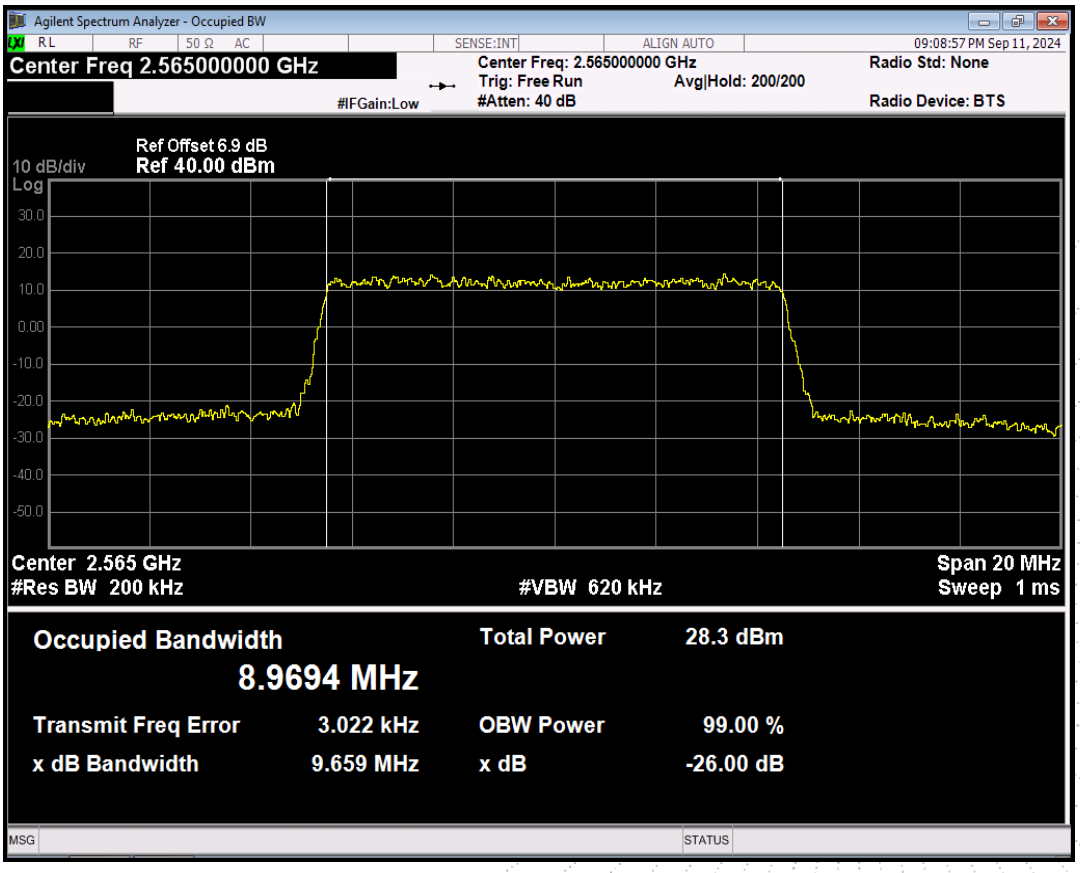
Band7 16QAM BW=10MHz Channel=21100 RB Size=50 Position=#0



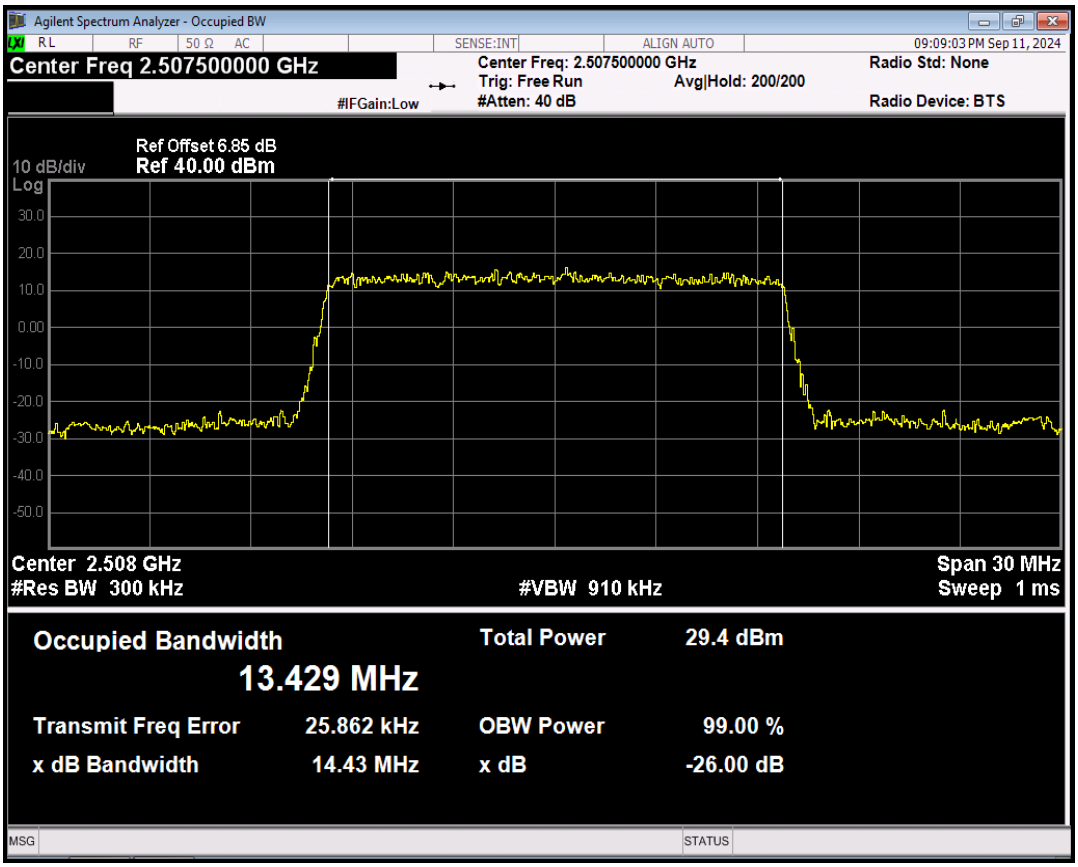
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0



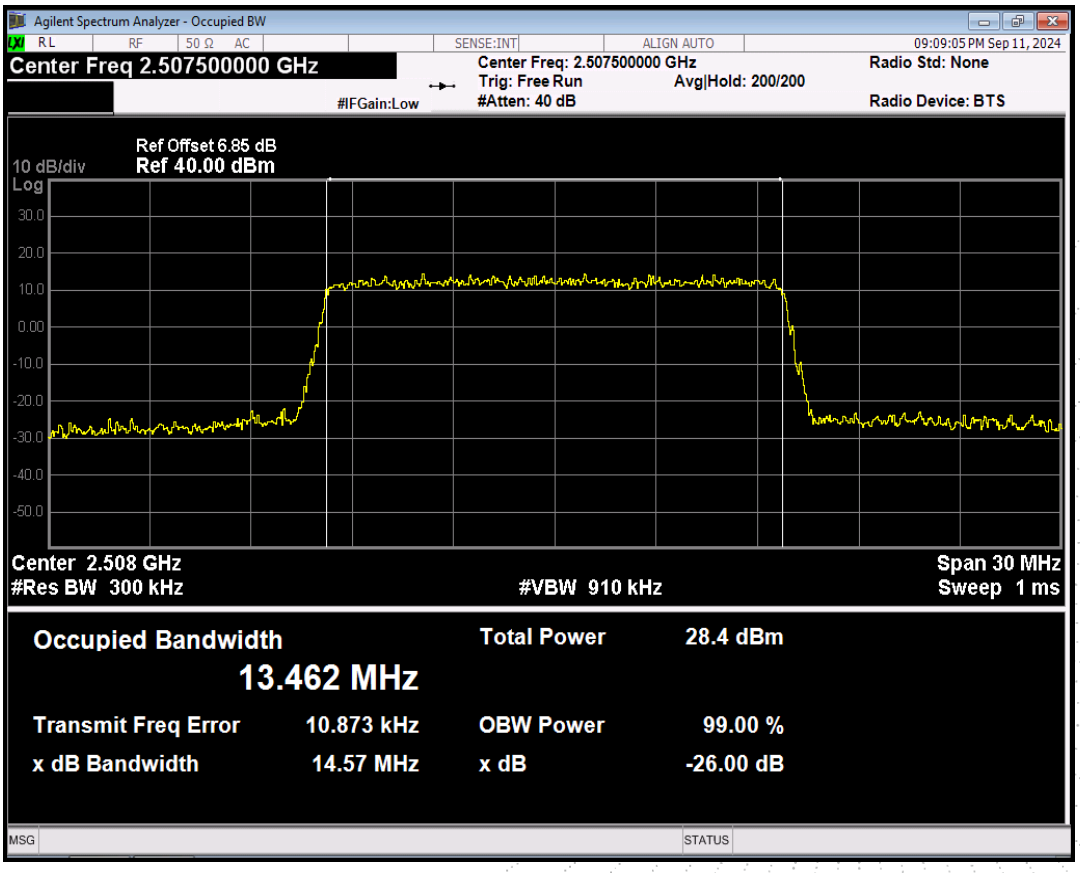
Band7 16QAM BW=10MHz Channel=21400 RB Size=50 Position=#0



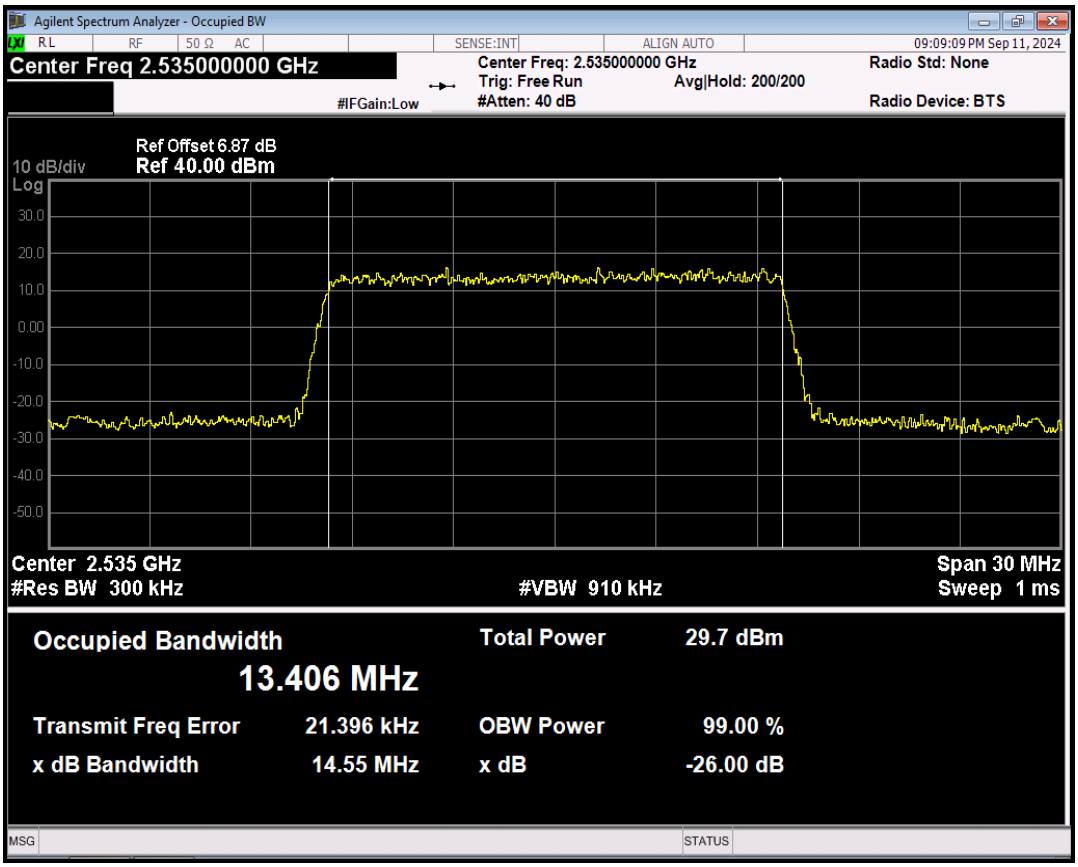
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0



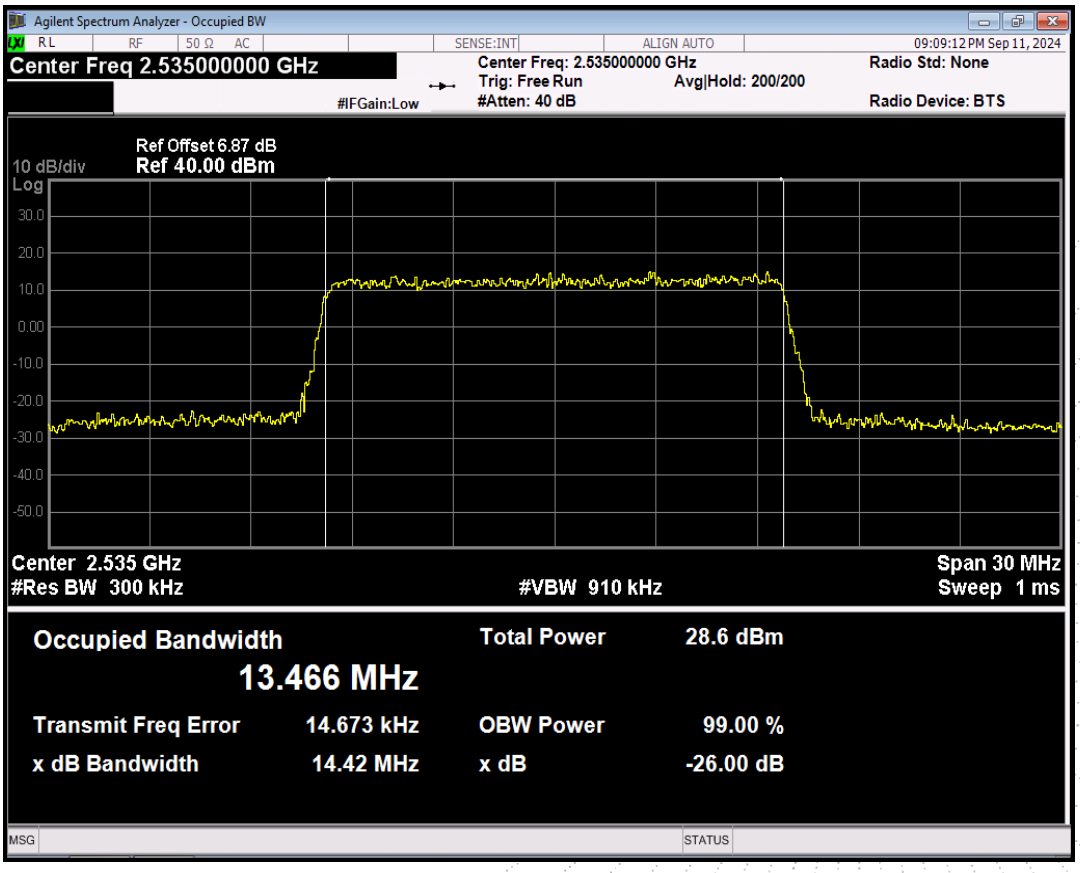
Band7 16QAM BW=15MHz Channel=20825 RB Size=75 Position=#0



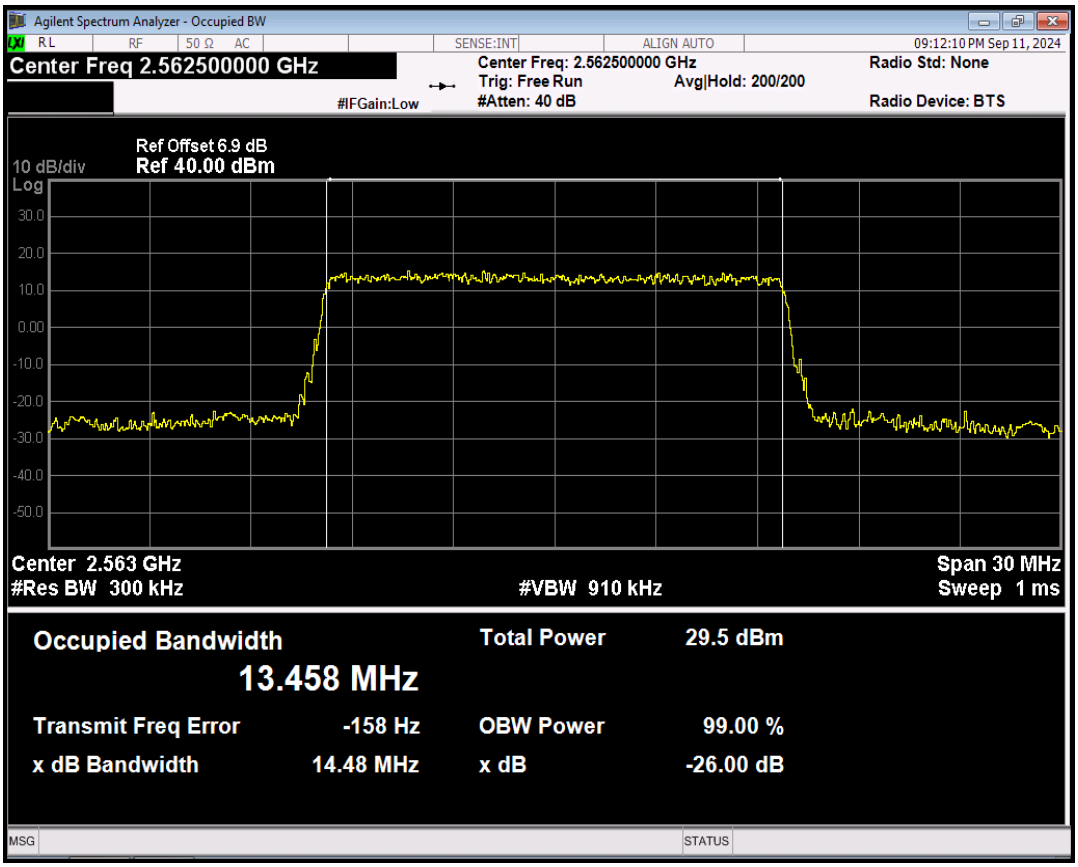
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0



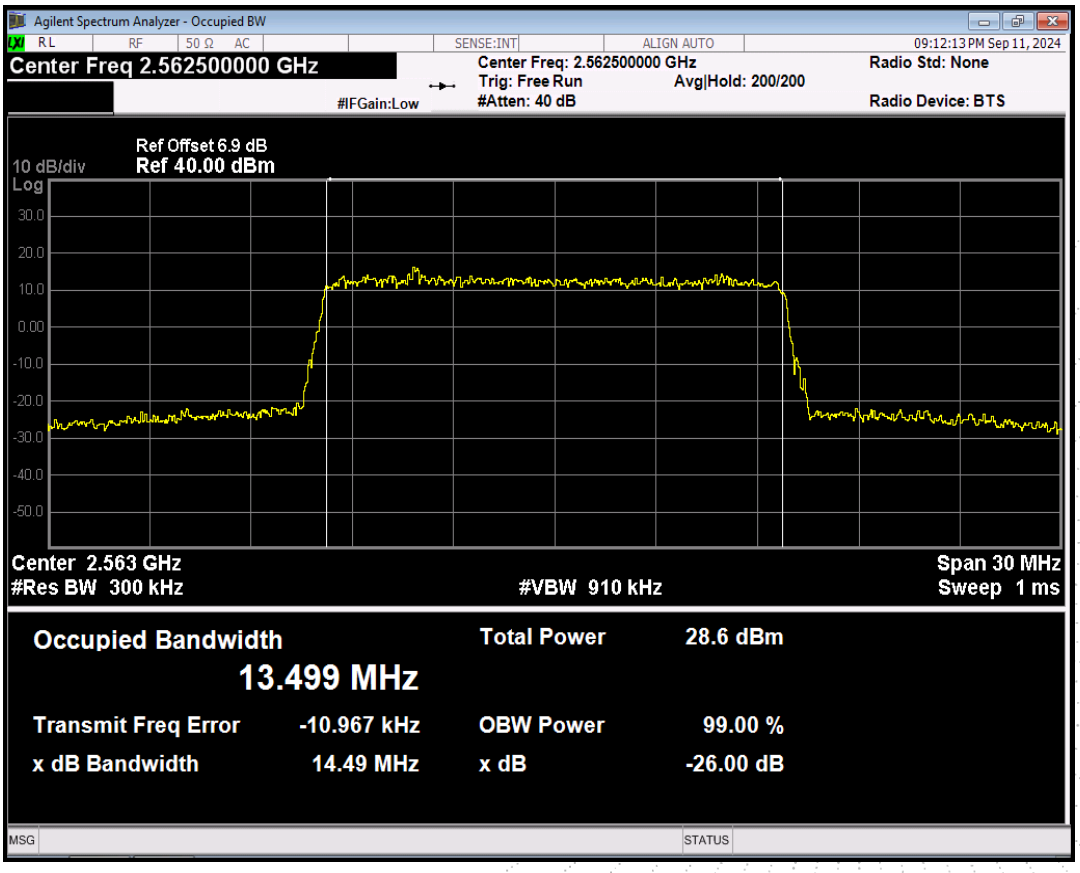
Band7 16QAM BW=15MHz Channel=21100 RB Size=75 Position=#0



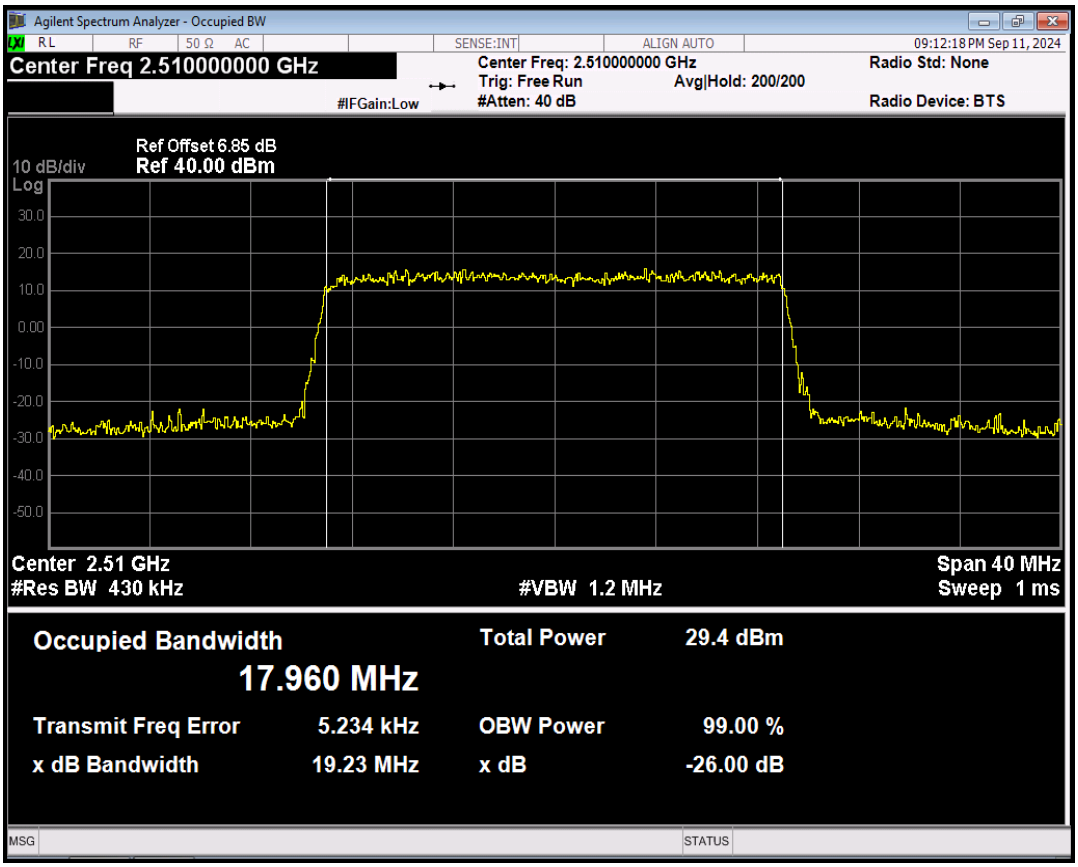
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0



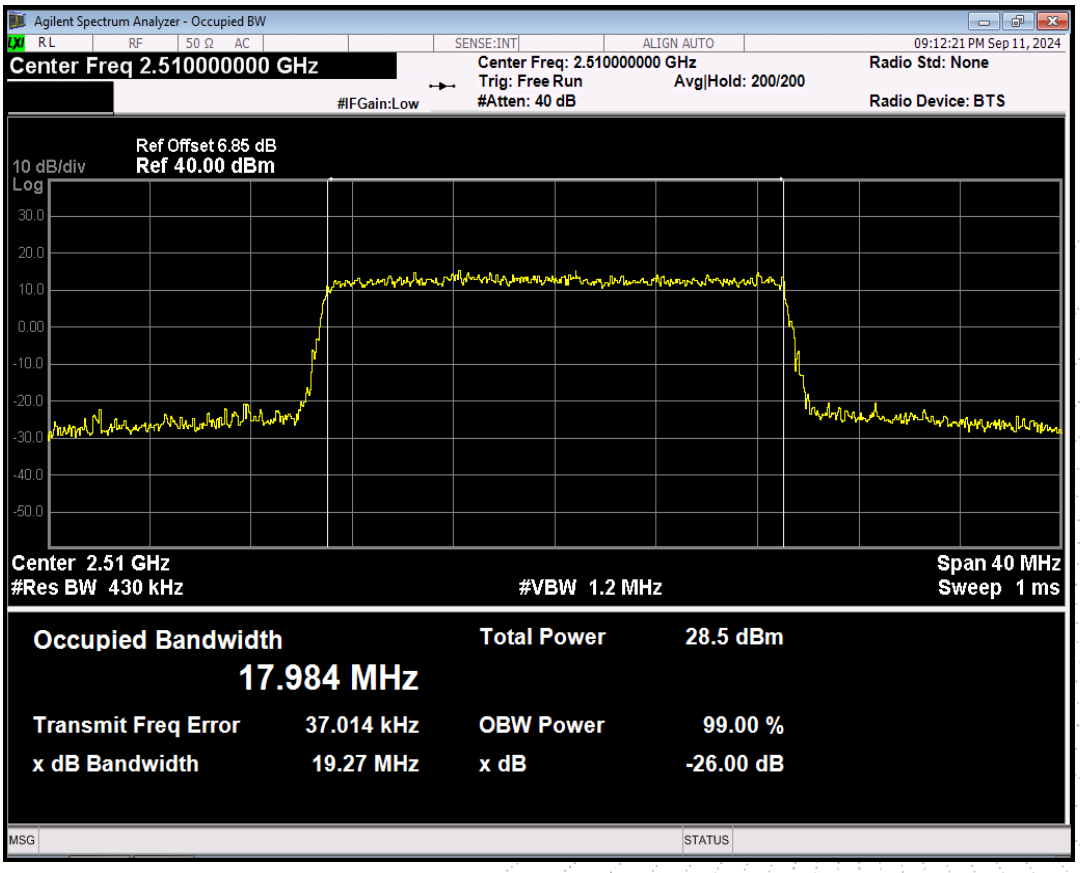
Band7 16QAM BW=15MHz Channel=21375 RB Size=75 Position=#0



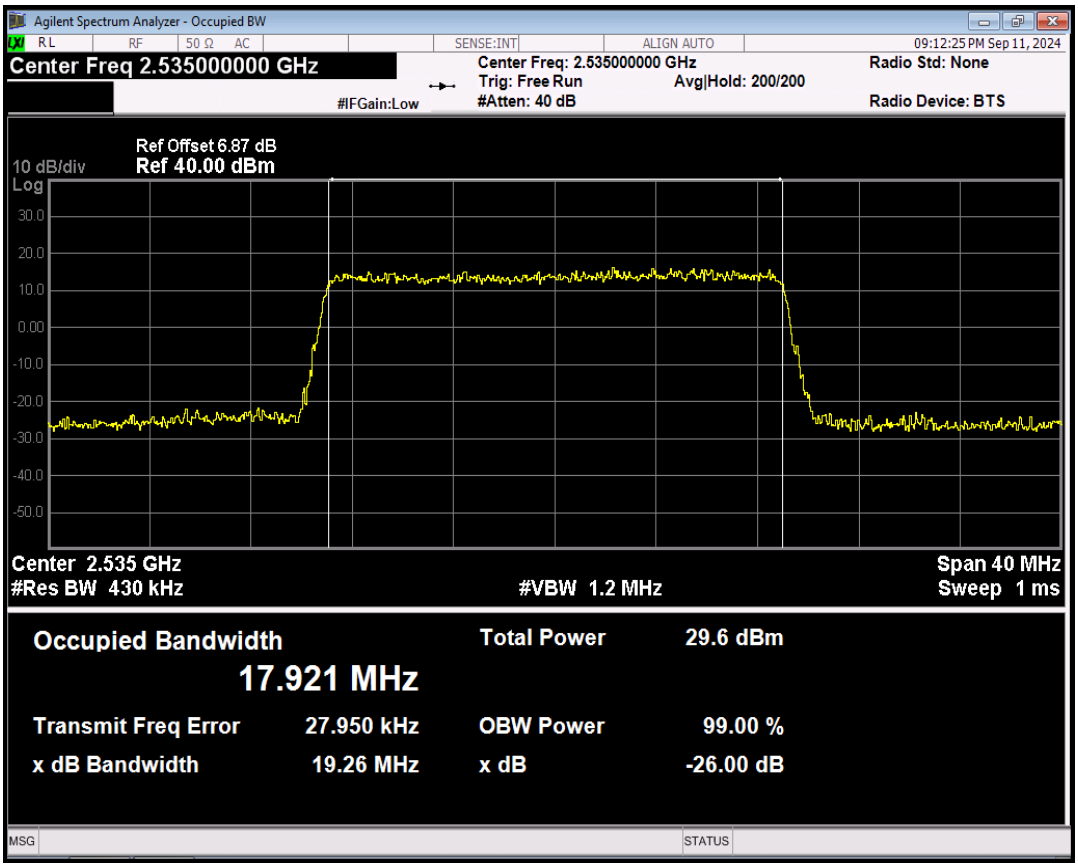
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0



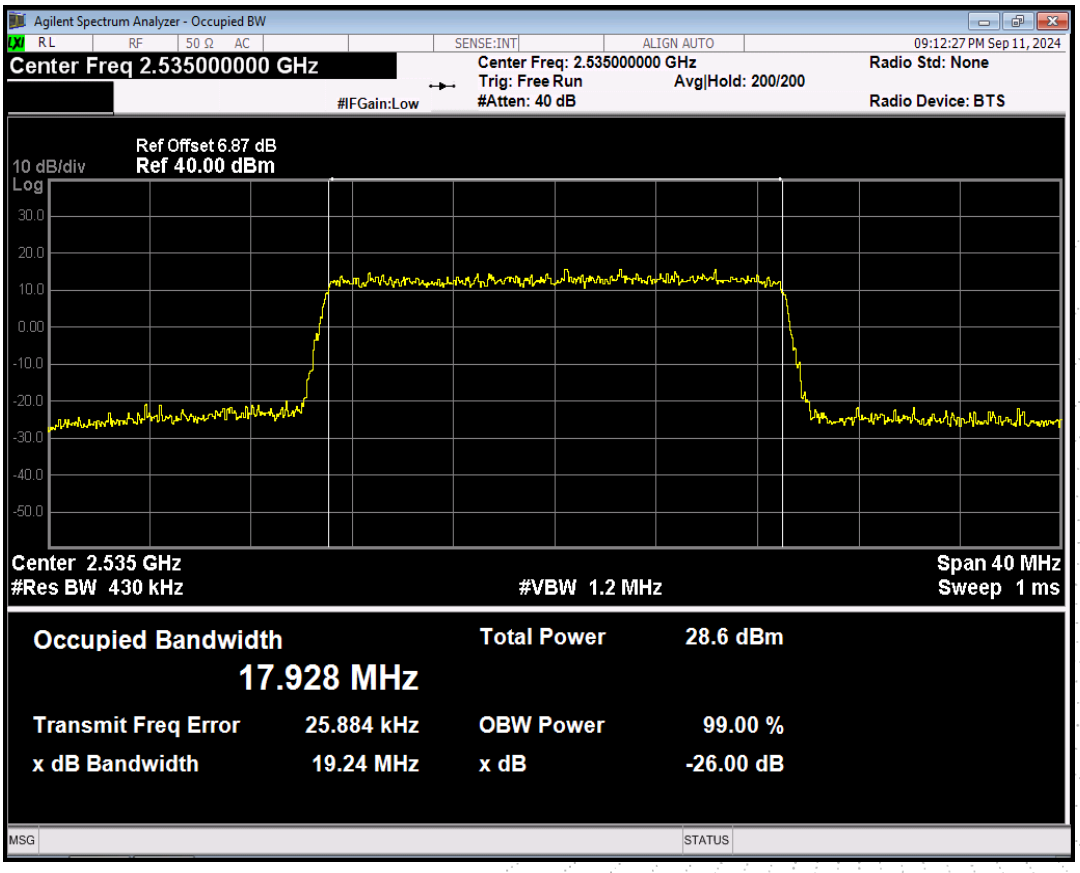
Band7 16QAM BW=20MHz Channel=20850 RB Size=100 Position=#0



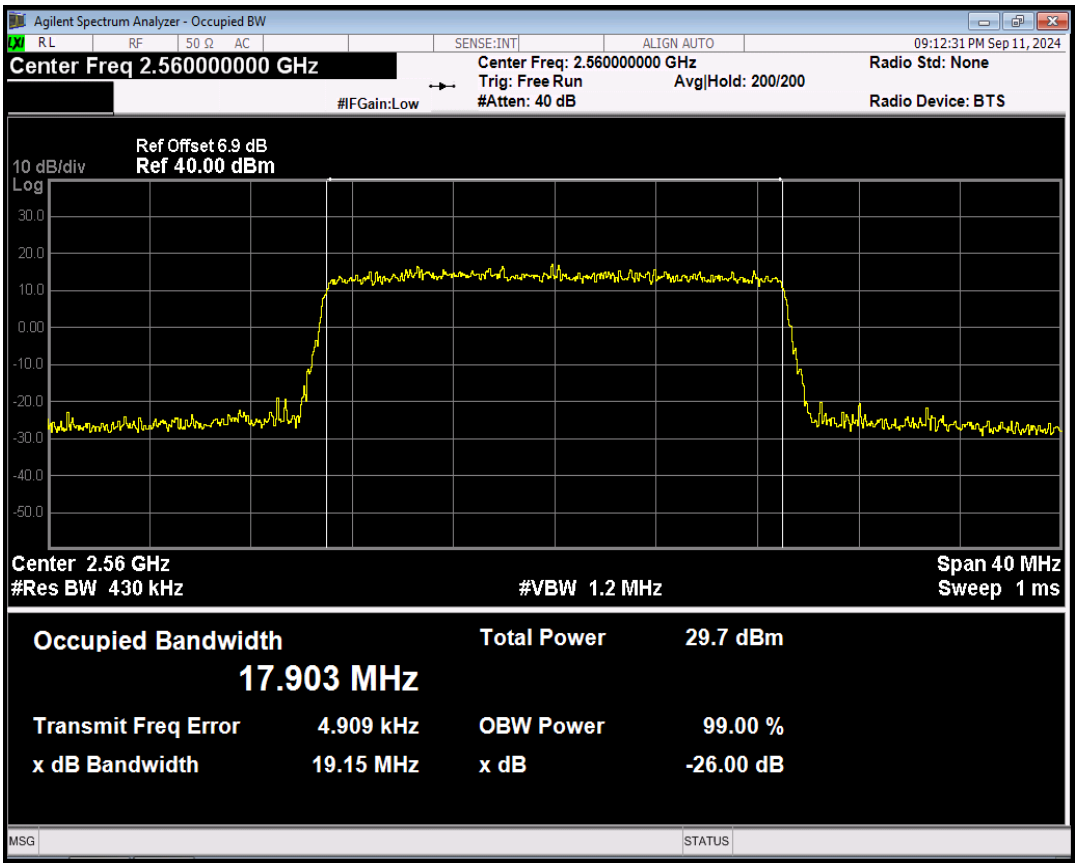
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0



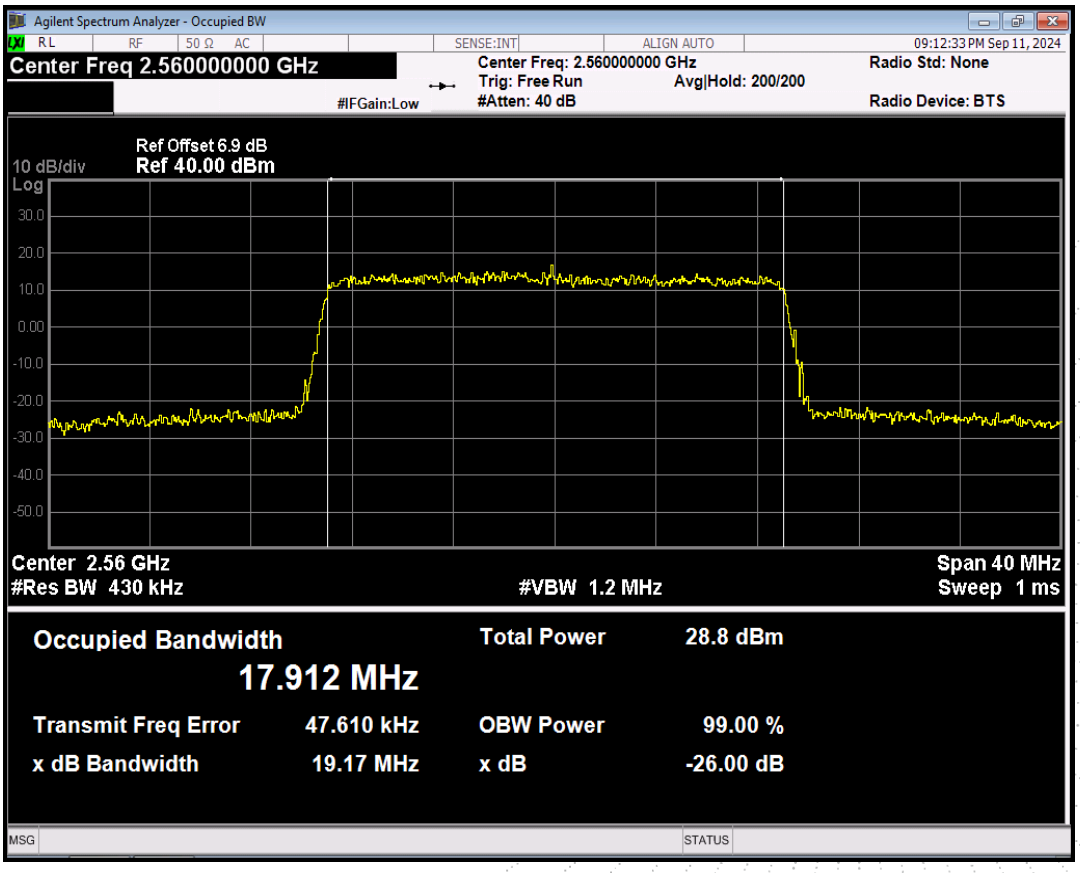
Band7 16QAM BW=20MHz Channel=21100 RB Size=100 Position=#0



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



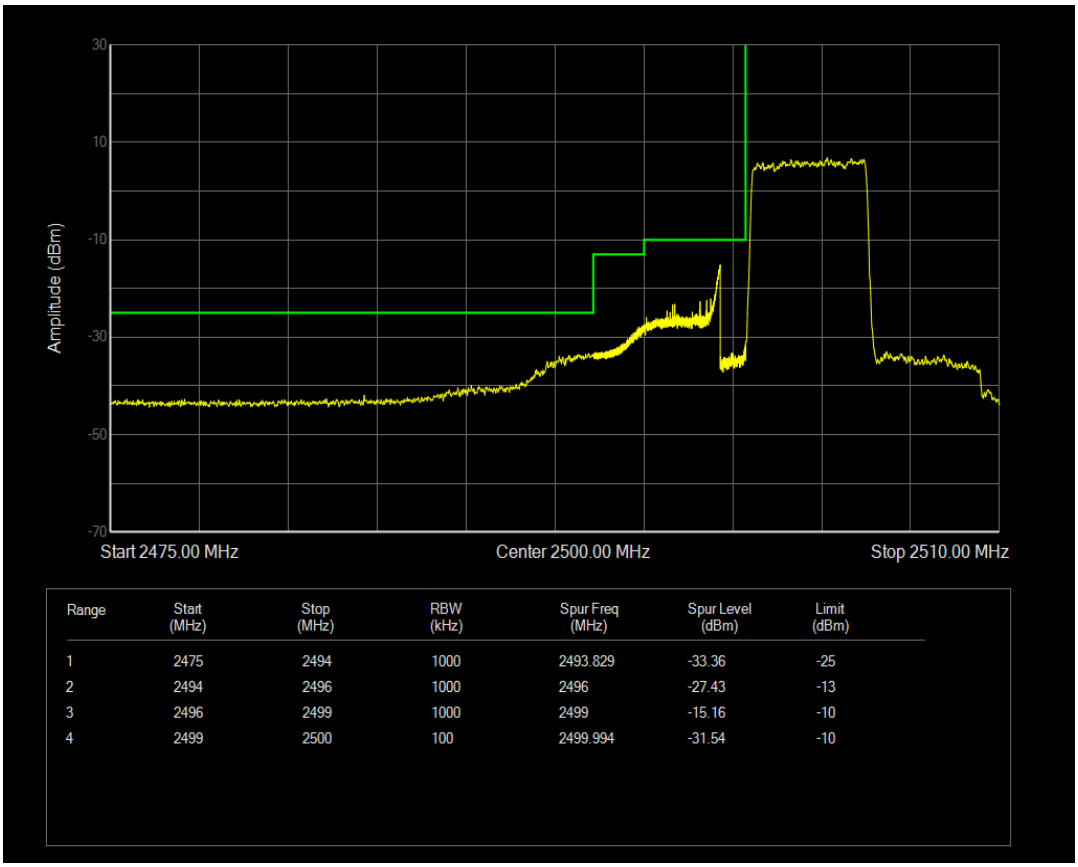
Band7 16QAM BW=20MHz Channel=21350 RB Size=100 Position=#0



Appendix 5. Band edge

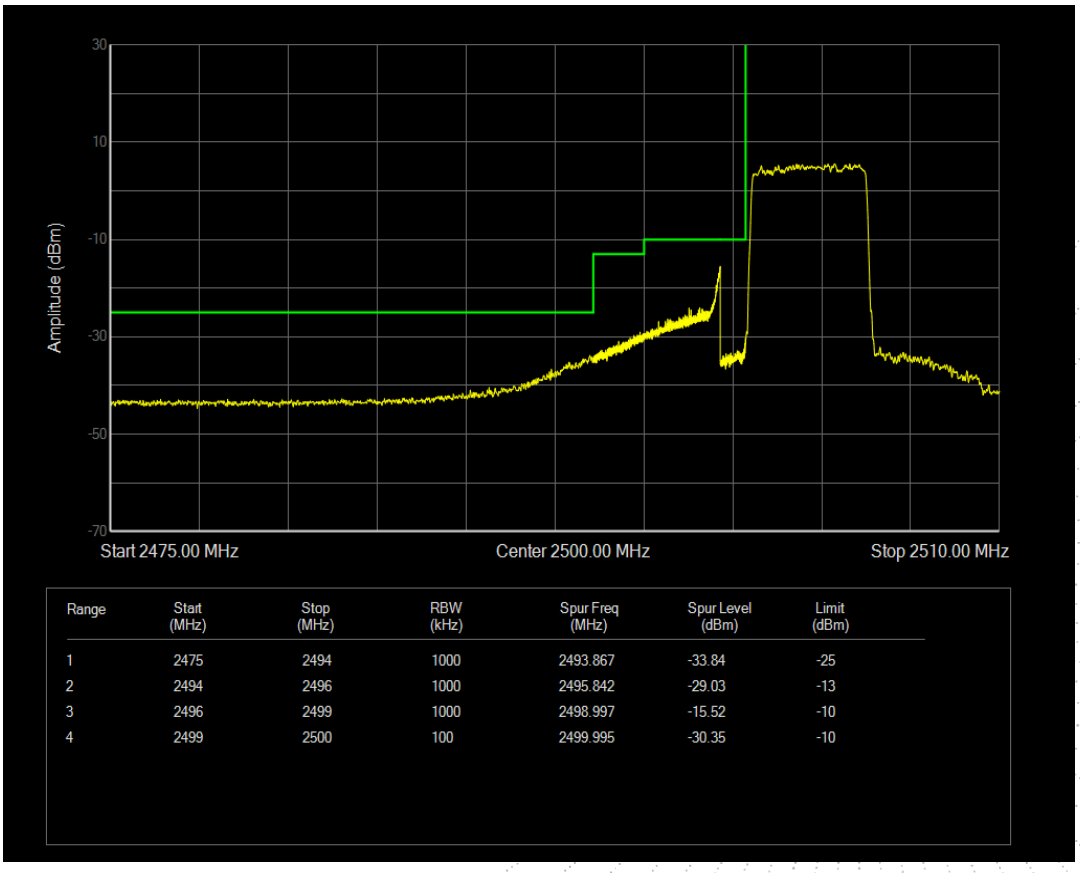
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2499.00	-15.16	-10	PASS
Band7	5	20775	25	#0	16QAM	2499.00	-15.52	-10	PASS
Band7	5	21425	25	#0	QPSK	2571.00	-15.14	-10	PASS
Band7	5	21425	25	#0	16QAM	2571.02	-15.44	-10	PASS
Band7	10	20800	50	#0	QPSK	2489.91	-36.56	-25	PASS
Band7	10	20800	50	#0	16QAM	2489.88	-36.13	-25	PASS
Band7	10	21400	50	#0	QPSK	2584.22	-33.97	-25	PASS
Band7	10	21400	50	#0	16QAM	2580.03	-33.27	-25	PASS
Band7	15	20825	75	#0	QPSK	2484.83	-38.39	-25	PASS
Band7	15	20825	75	#0	16QAM	2484.87	-38.37	-25	PASS
Band7	15	21375	75	#0	QPSK	2585.09	-33.51	-25	PASS
Band7	15	21375	75	#0	16QAM	2585.18	-33.23	-25	PASS
Band7	20	20850	100	#0	QPSK	2479.88	-42.54	-25	PASS
Band7	20	20850	100	#0	16QAM	2479.98	-42.32	-25	PASS
Band7	20	21350	100	#0	QPSK	2591.30	-36.84	-25	PASS
Band7	20	21350	100	#0	16QAM	2590.15	-35.58	-25	PASS

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



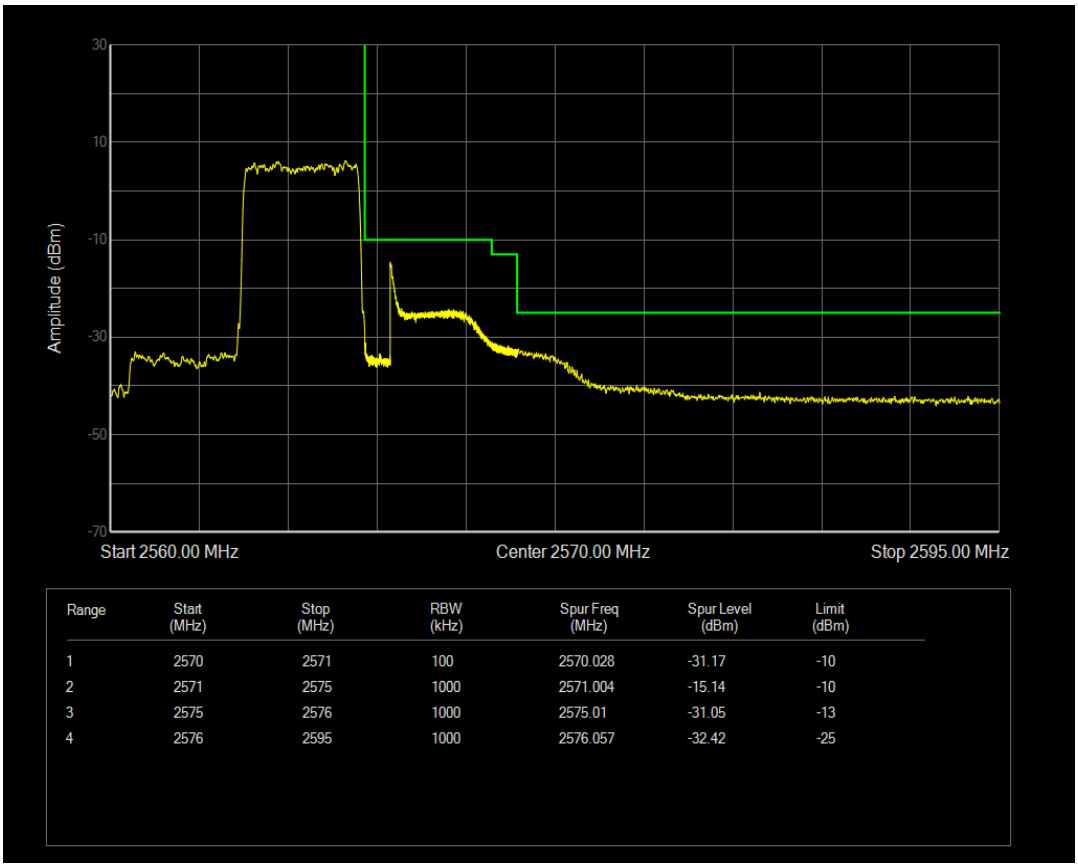
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2494	1000	2493.829	-33.36	-25
2	2494	2496	1000	2496	-27.43	-13
3	2496	2499	1000	2499	-15.16	-10
4	2499	2500	100	2499.994	-31.54	-10

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



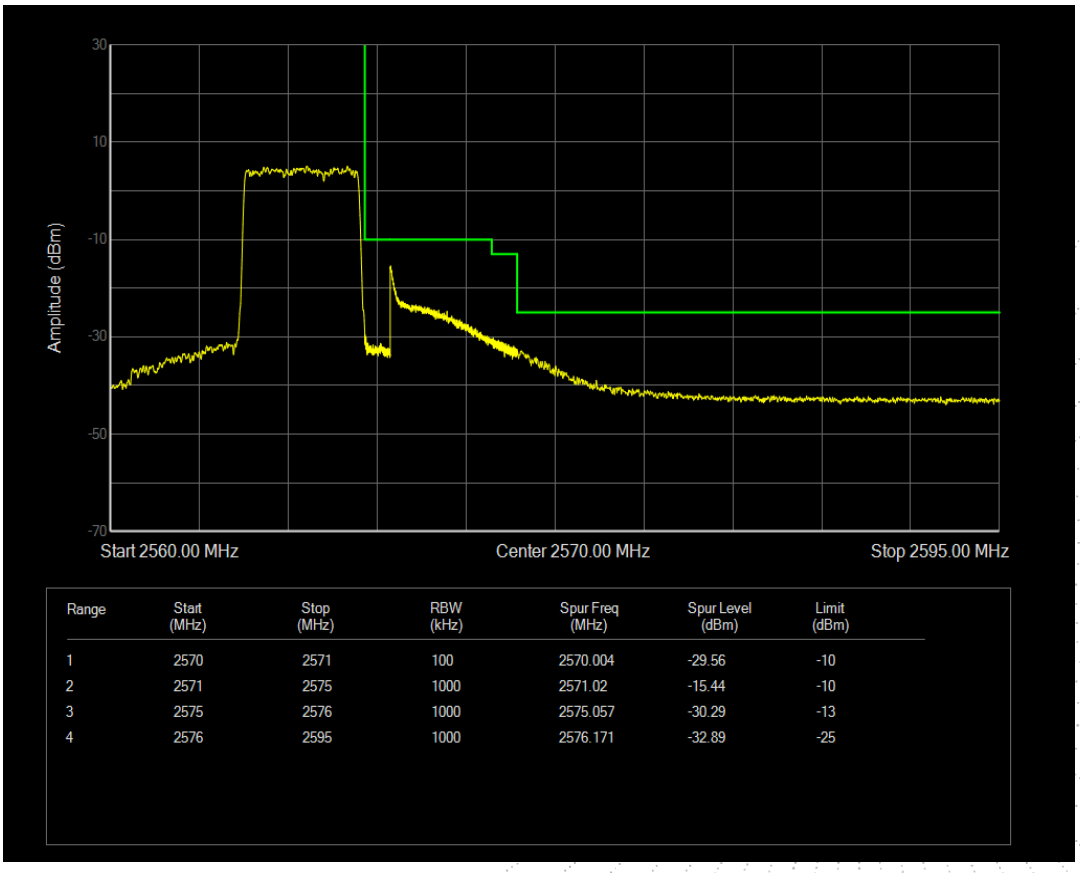
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2494	1000	2493.867	-33.84	-25
2	2494	2496	1000	2495.842	-29.03	-13
3	2496	2499	1000	2498.997	-15.52	-10
4	2499	2500	100	2499.995	-30.35	-10

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



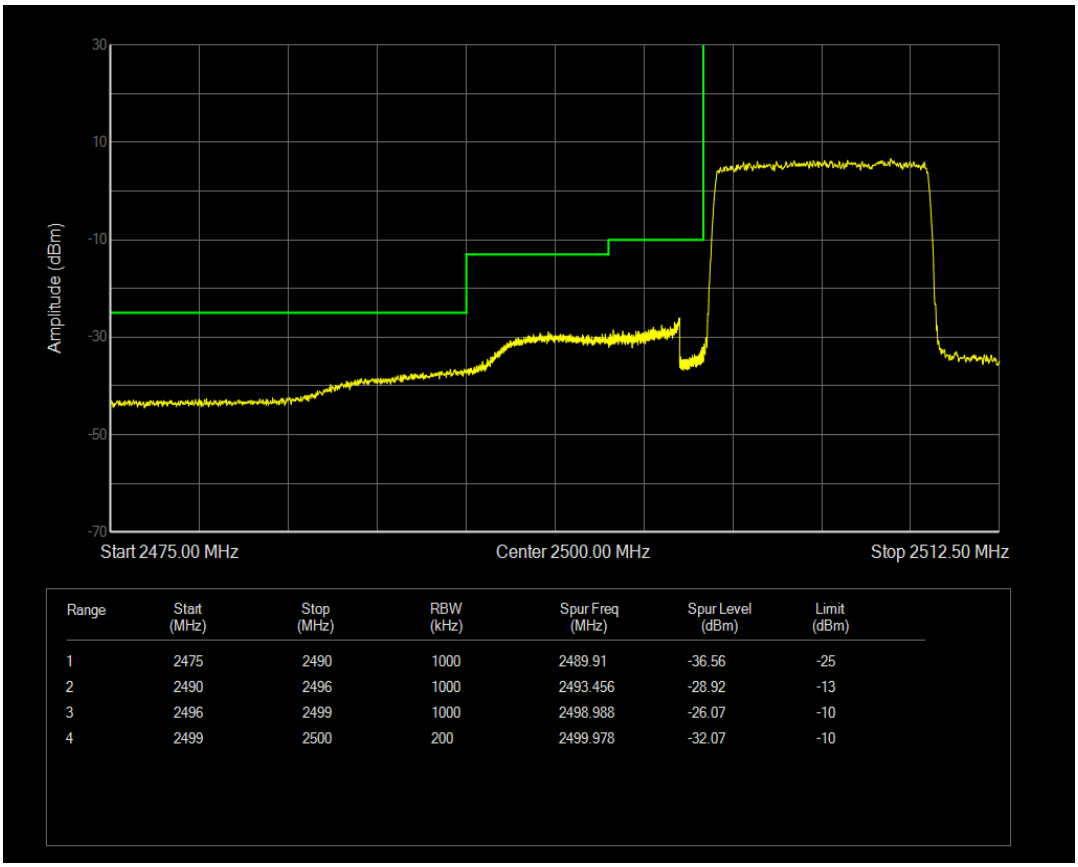
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	100	2570.028	-31.17	-10
2	2571	2575	1000	2571.004	-15.14	-10
3	2575	2576	1000	2575.01	-31.05	-13
4	2576	2595	1000	2576.057	-32.42	-25

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



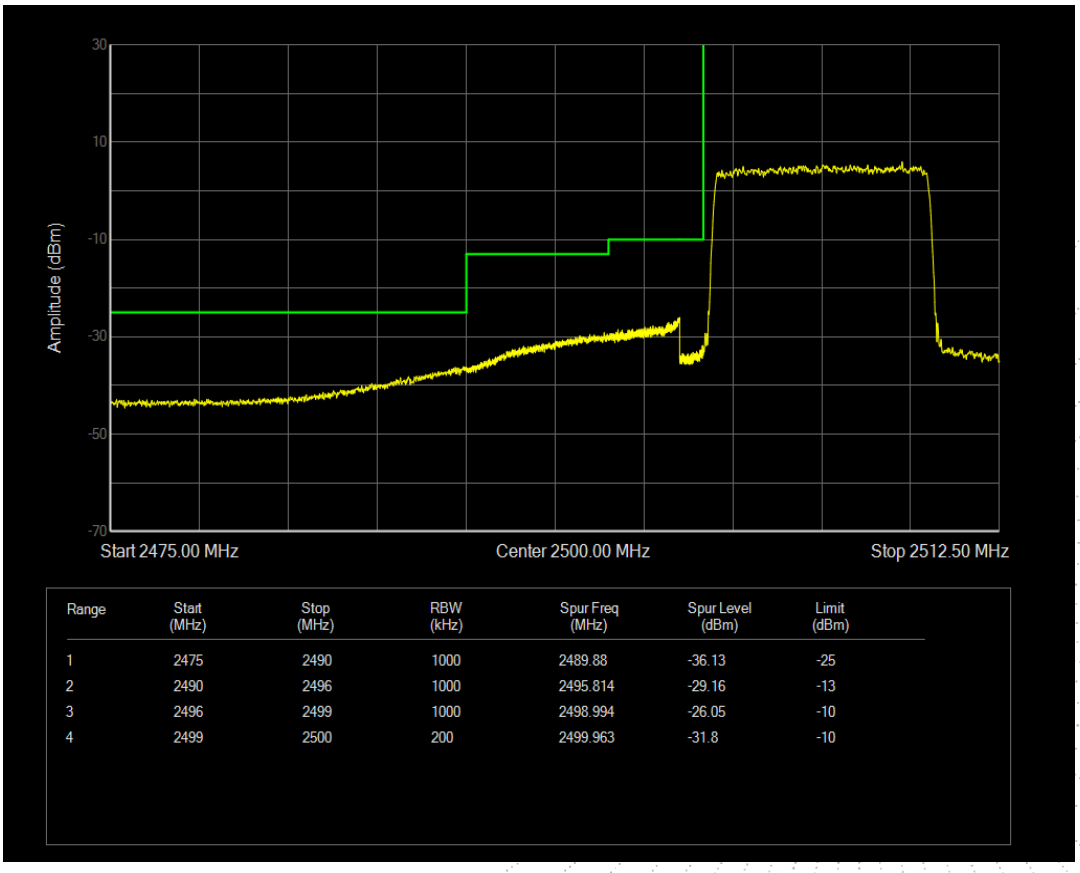
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	100	2570.004	-29.56	-10
2	2571	2575	1000	2571.02	-15.44	-10
3	2575	2576	1000	2575.057	-30.29	-13
4	2576	2595	1000	2576.171	-32.89	-25

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



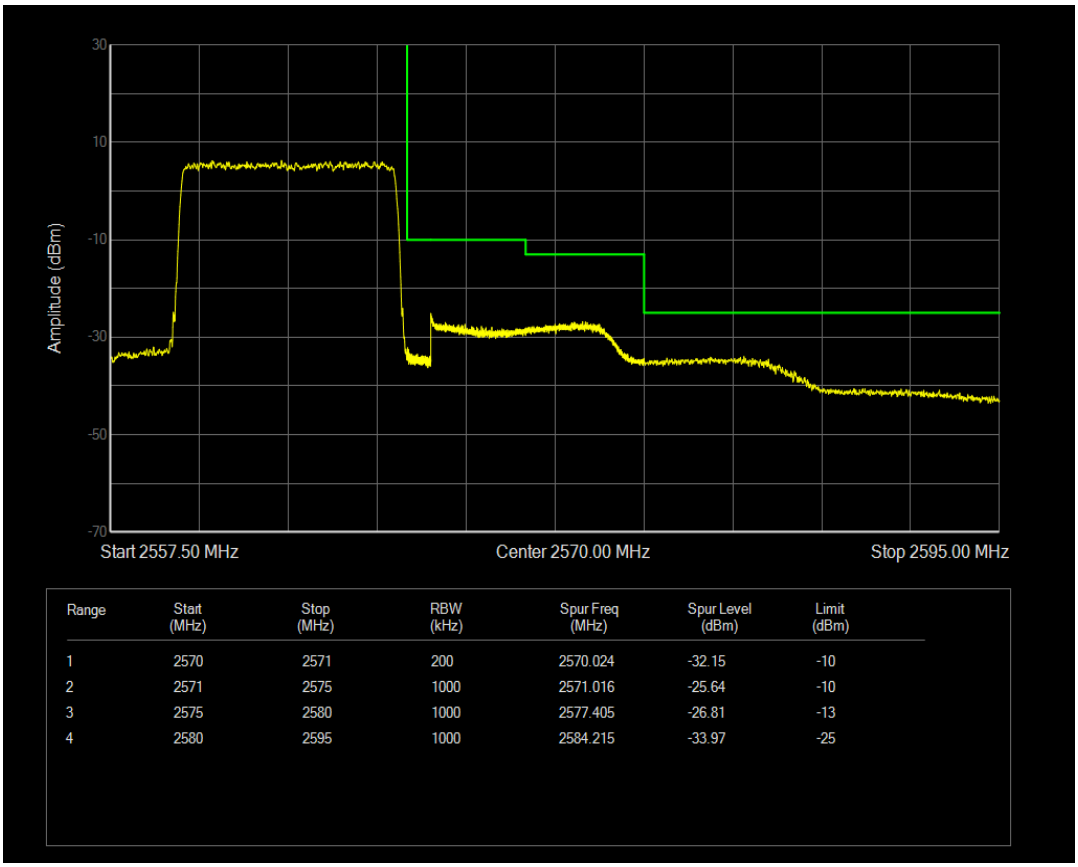
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490	1000	2489.91	-36.56	-25
2	2490	2496	1000	2493.456	-28.92	-13
3	2496	2499	1000	2498.988	-26.07	-10
4	2499	2500	200	2499.978	-32.07	-10

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



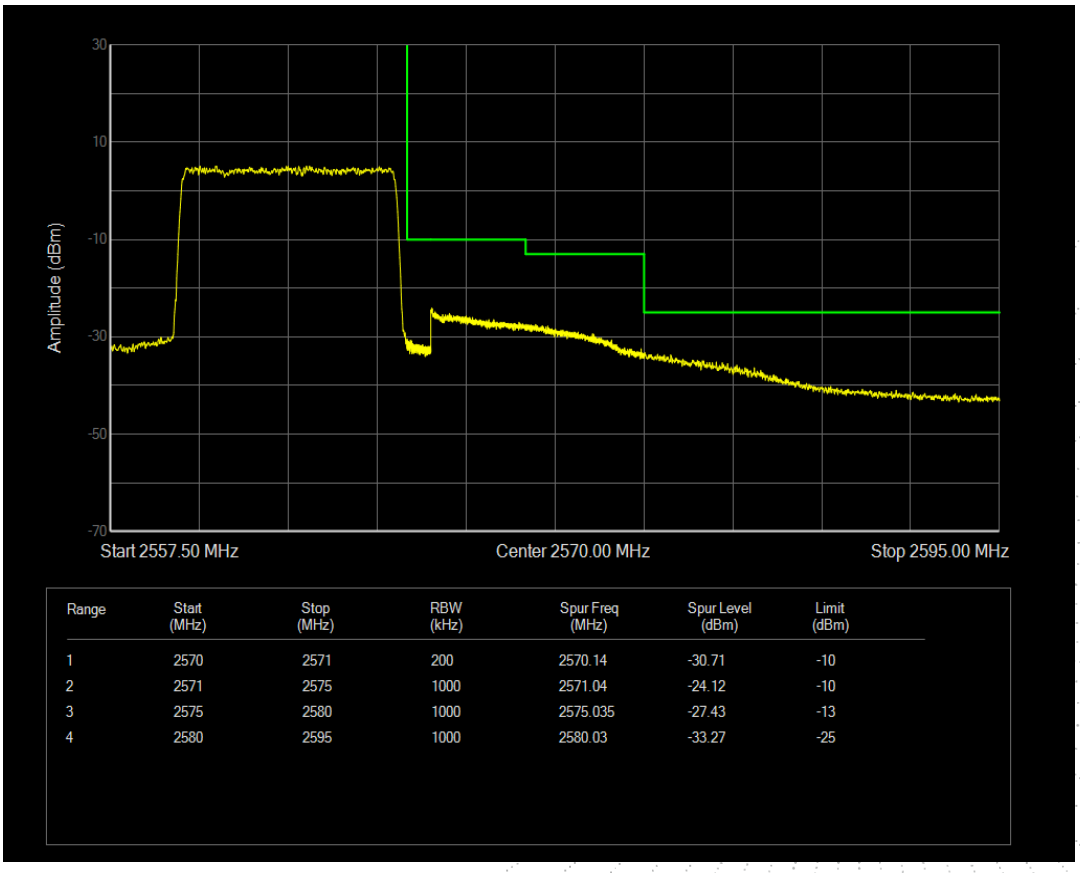
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490	1000	2489.88	-36.13	-25
2	2490	2496	1000	2495.814	-29.16	-13
3	2496	2499	1000	2498.994	-26.05	-10
4	2499	2500	200	2499.963	-31.8	-10

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



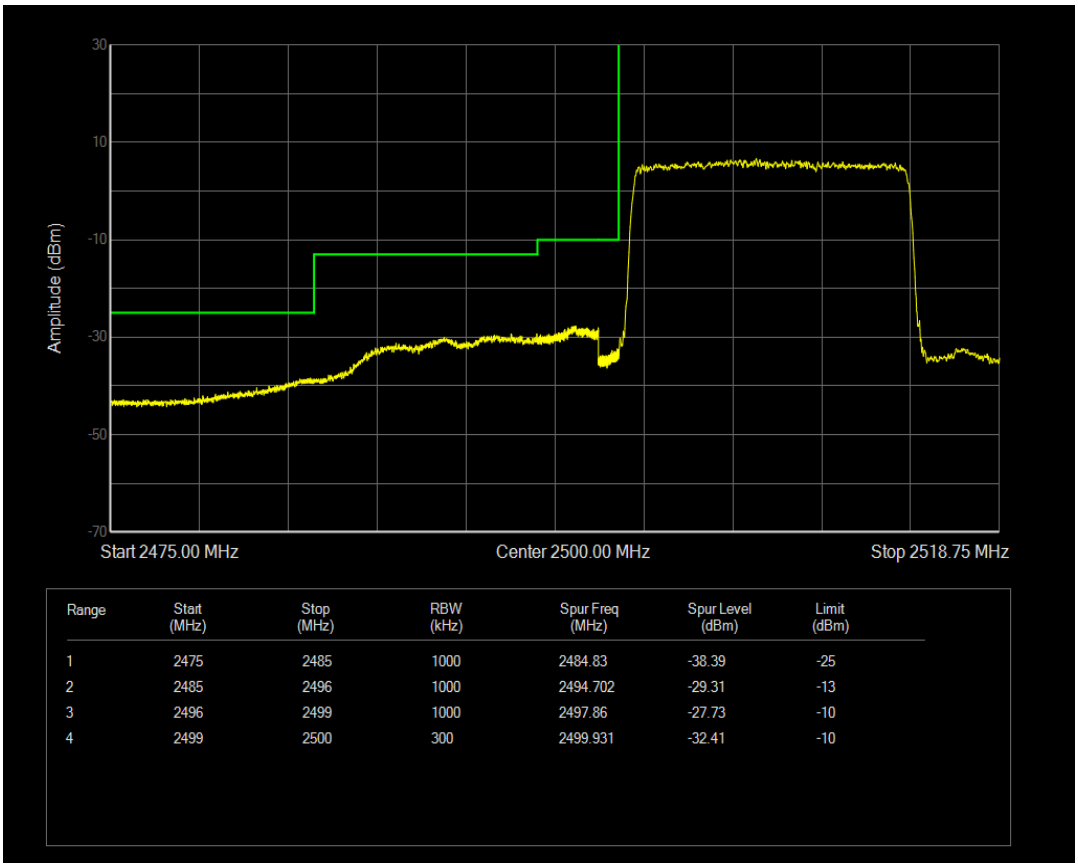
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	200	2570.024	-32.15	-10
2	2571	2575	1000	2571.016	-25.64	-10
3	2575	2580	1000	2577.405	-26.81	-13
4	2580	2595	1000	2584.215	-33.97	-25

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



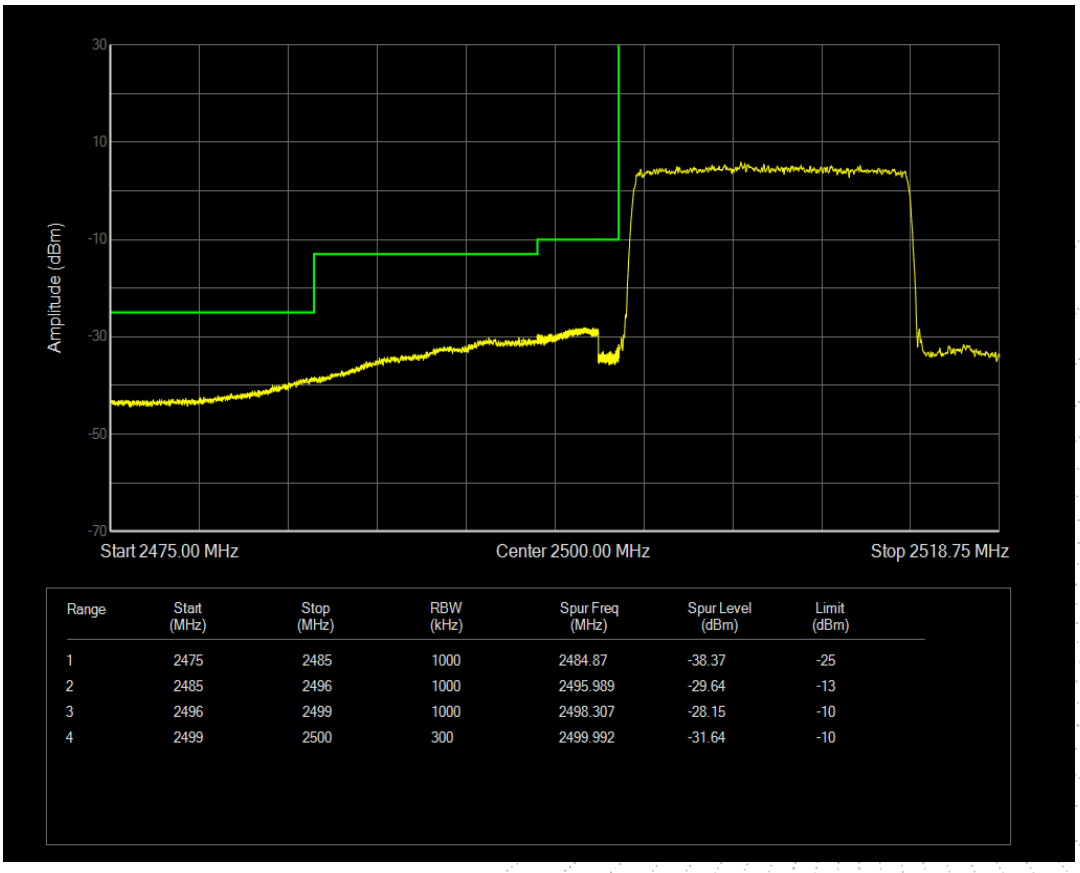
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	200	2570.14	-30.71	-10
2	2571	2575	1000	2571.04	-24.12	-10
3	2575	2580	1000	2575.035	-27.43	-13
4	2580	2595	1000	2580.03	-33.27	-25

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



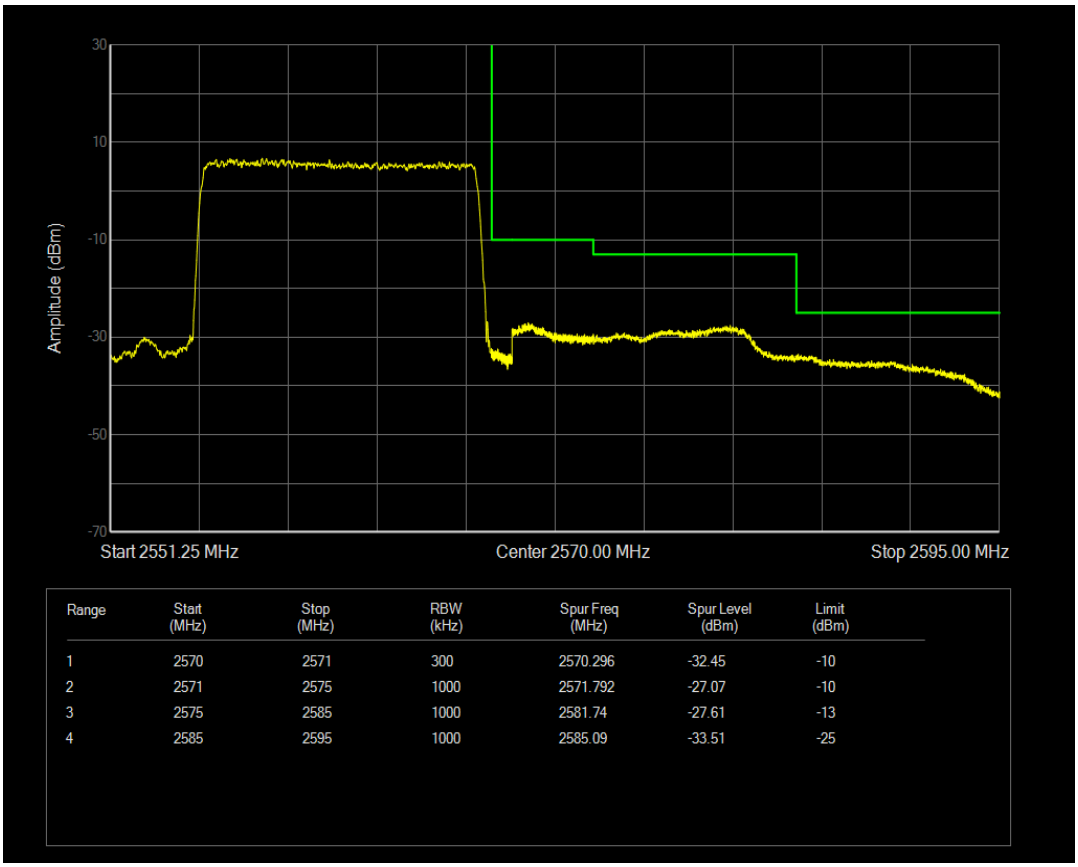
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2485	1000	2484.83	-38.39	-25
2	2485	2496	1000	2494.702	-29.31	-13
3	2496	2499	1000	2497.86	-27.73	-10
4	2499	2500	300	2499.931	-32.41	-10

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



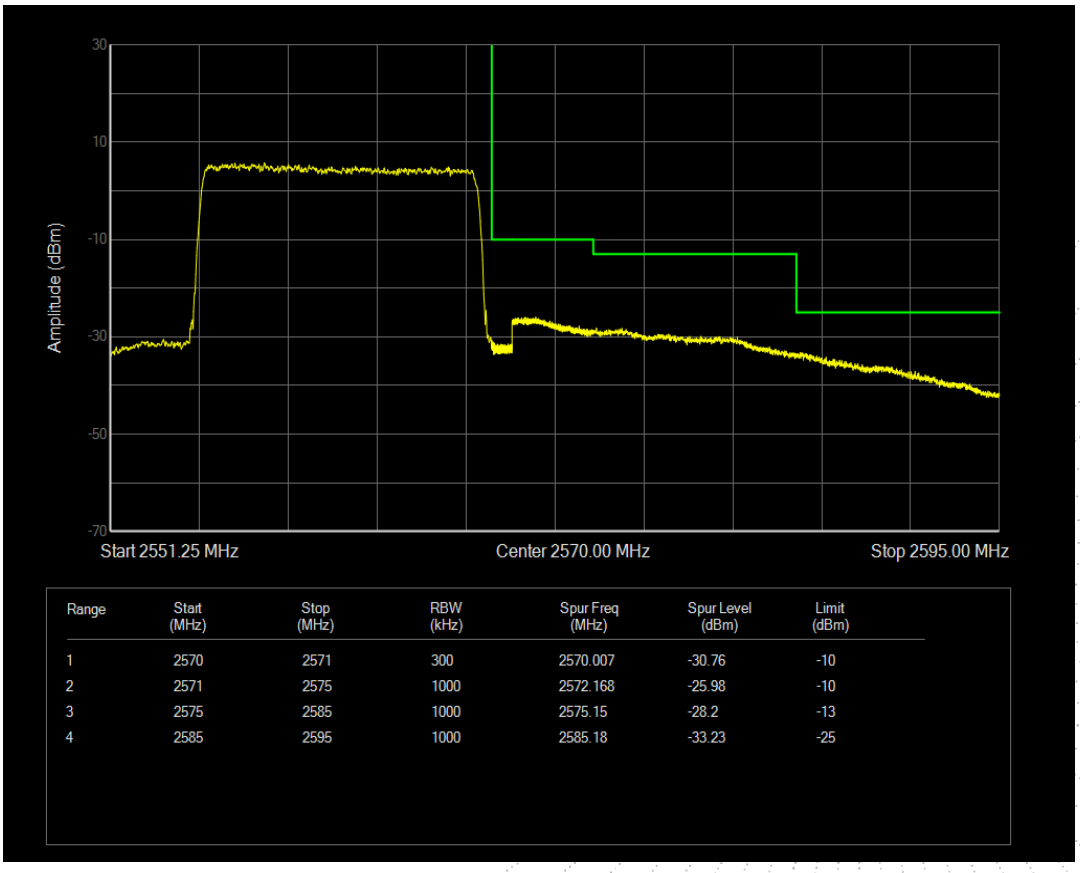
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2485	1000	2484.87	-38.37	-25
2	2485	2496	1000	2495.989	-29.64	-13
3	2496	2499	1000	2498.307	-28.15	-10
4	2499	2500	300	2499.992	-31.64	-10

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



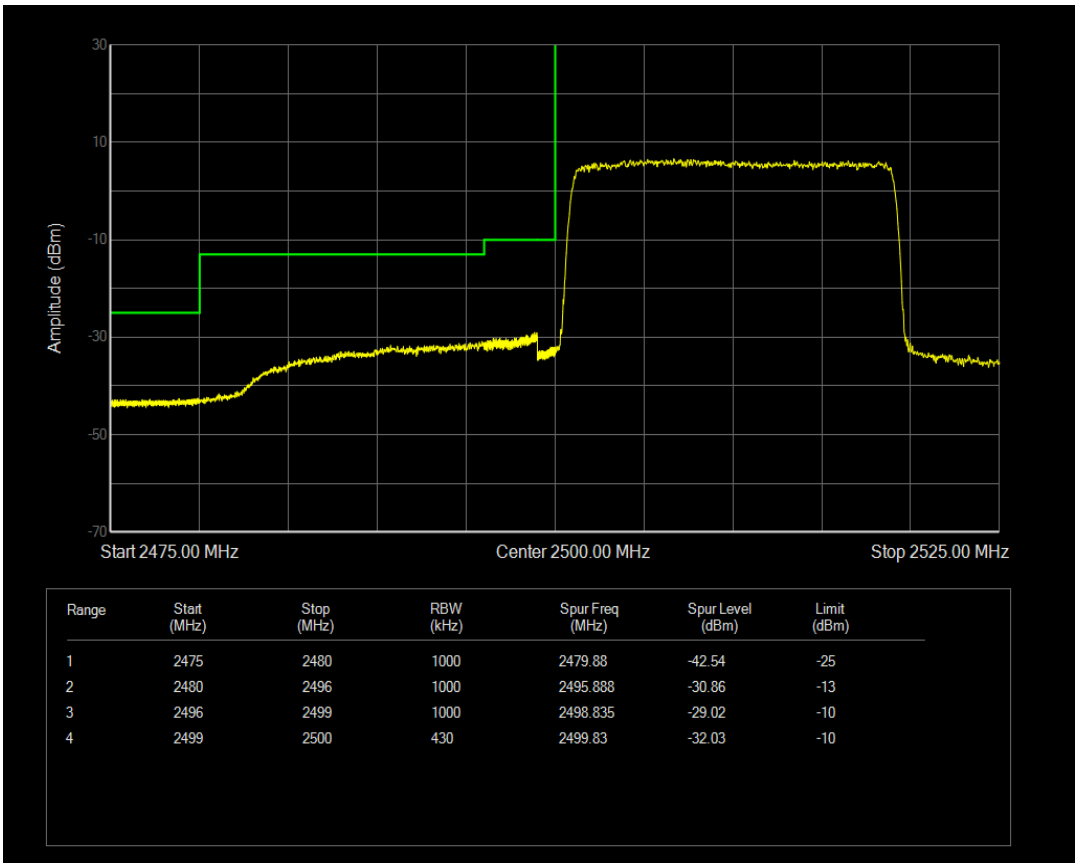
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	300	2570.296	-32.45	-10
2	2571	2575	1000	2571.792	-27.07	-10
3	2575	2585	1000	2581.74	-27.61	-13
4	2585	2595	1000	2585.09	-33.51	-25

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



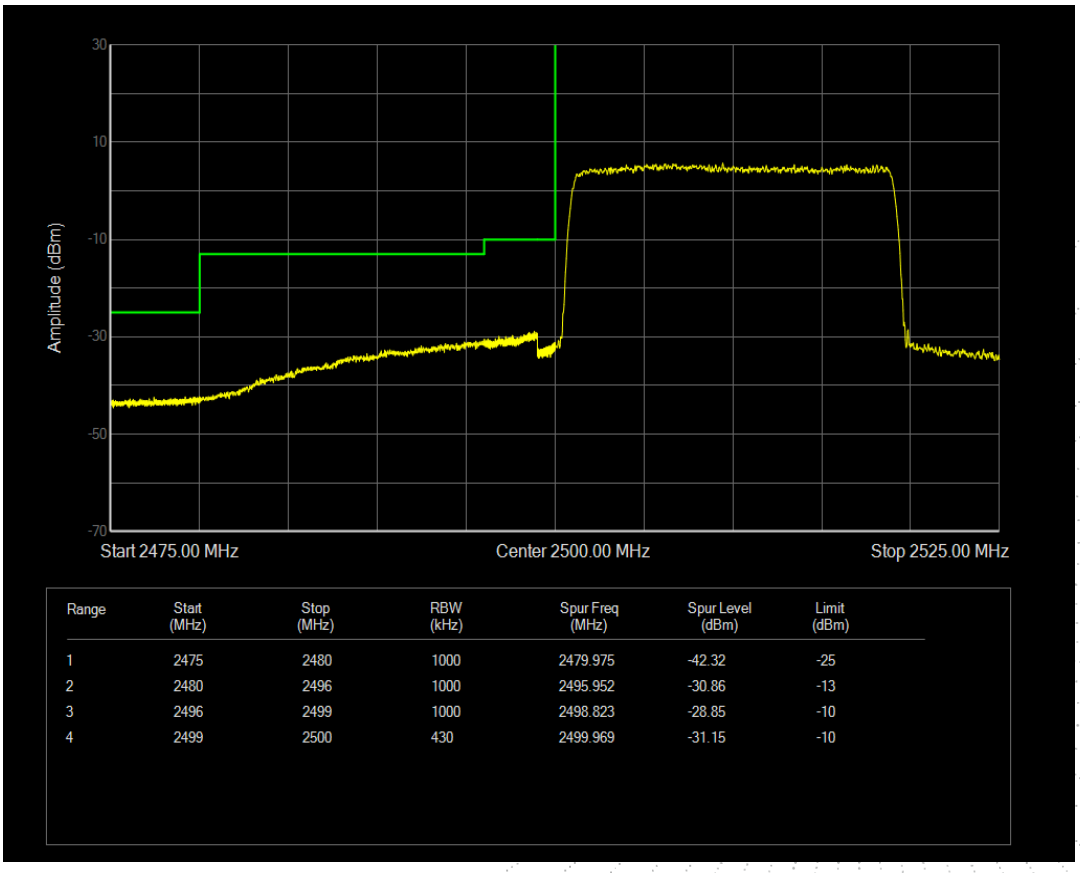
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	300	2570.007	-30.76	-10
2	2571	2575	1000	2572.168	-25.98	-10
3	2575	2585	1000	2575.15	-28.2	-13
4	2585	2595	1000	2585.18	-33.23	-25

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



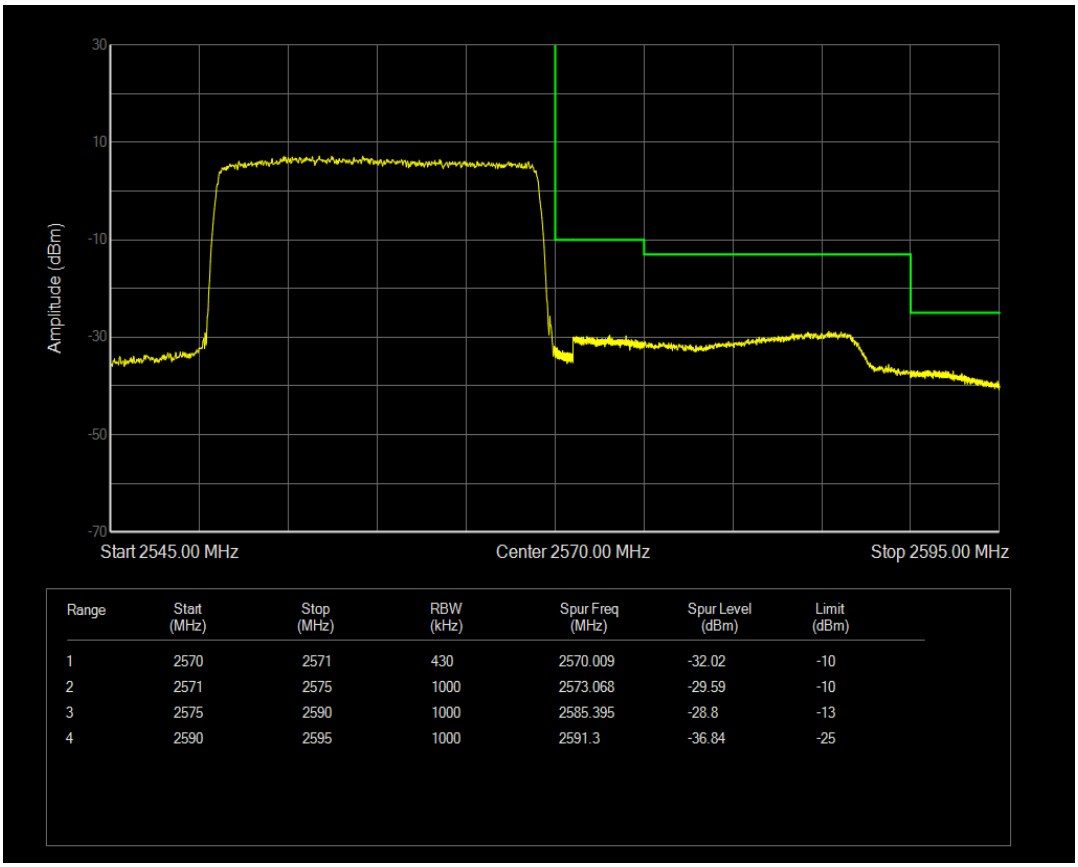
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2480	1000	2479.88	-42.54	-25
2	2480	2496	1000	2495.888	-30.86	-13
3	2496	2499	1000	2498.835	-29.02	-10
4	2499	2500	430	2499.83	-32.03	-10

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



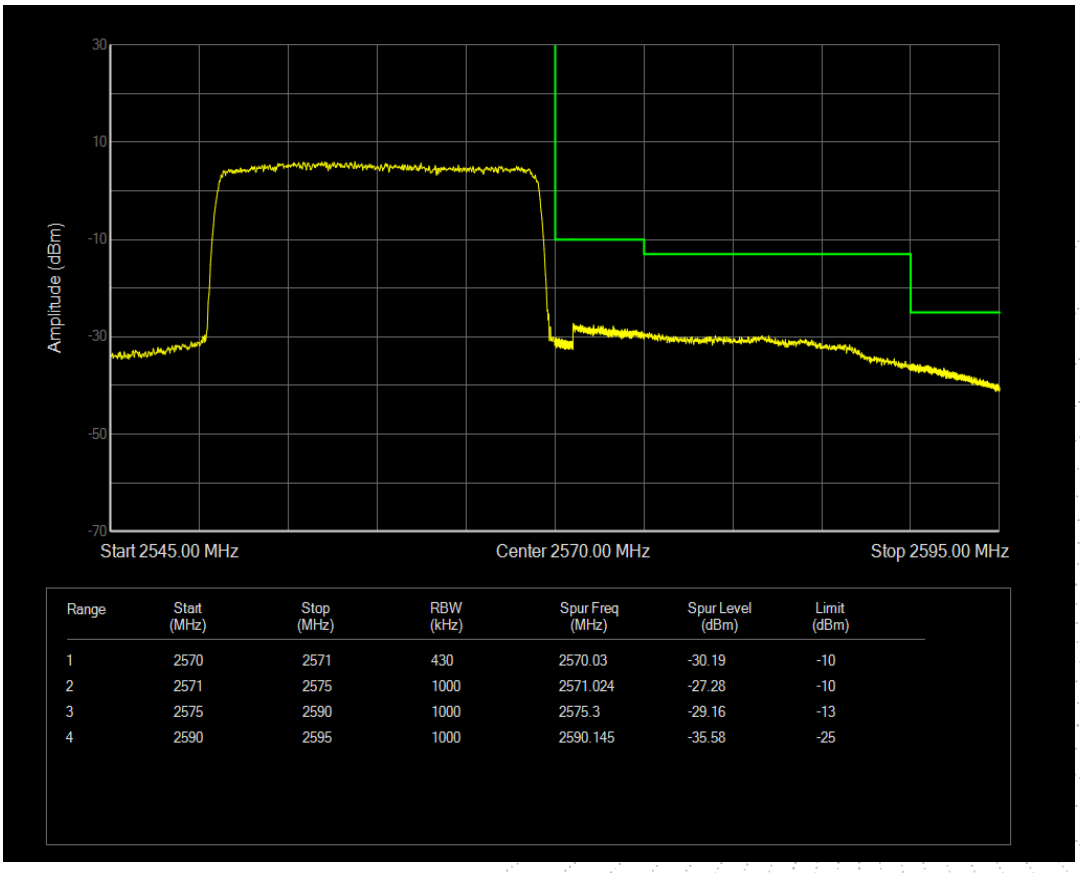
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2480	1000	2479.975	-42.32	-25
2	2480	2496	1000	2495.952	-30.86	-13
3	2496	2499	1000	2498.823	-28.85	-10
4	2499	2500	430	2499.969	-31.15	-10

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	2570.009	-32.02	-10
2	2571	2575	1000	2573.068	-29.59	-10
3	2575	2590	1000	2585.395	-28.8	-13
4	2590	2595	1000	2591.3	-36.84	-25

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

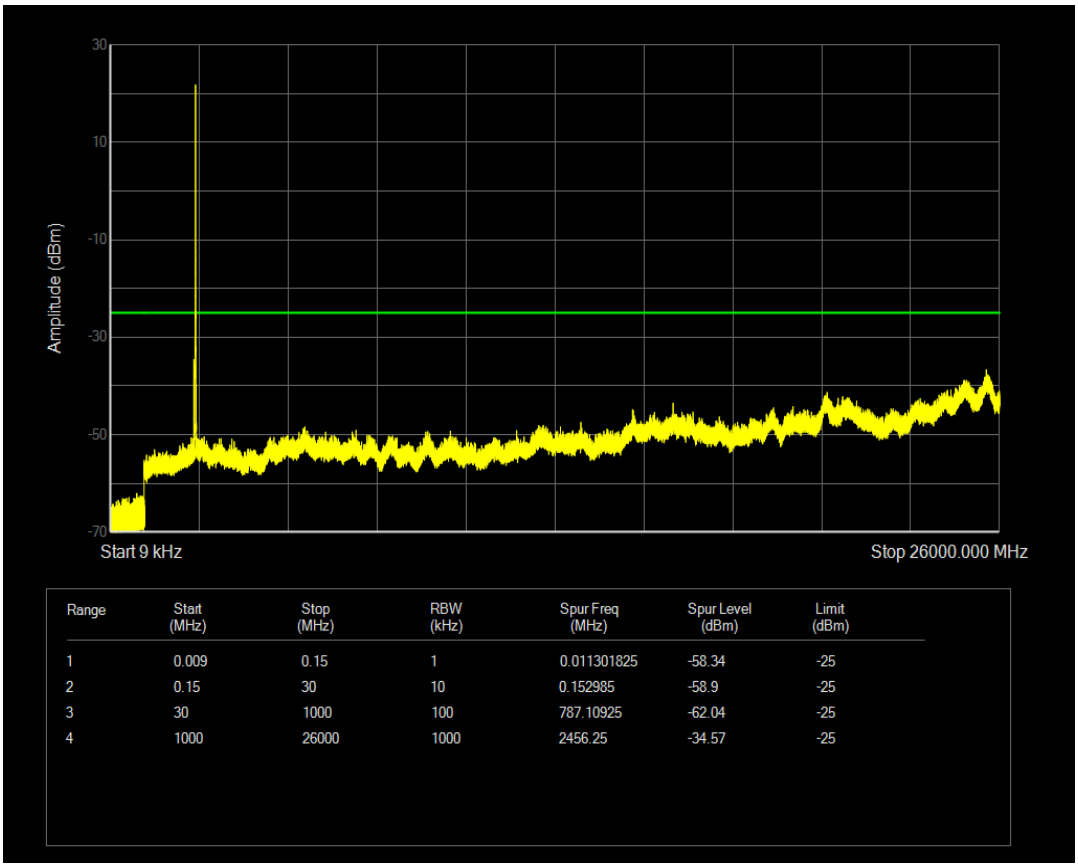


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2570	2571	430	2570.03	-30.19	-10
2	2571	2575	1000	2571.024	-27.28	-10
3	2575	2590	1000	2575.3	-29.16	-13
4	2590	2595	1000	2590.145	-35.58	-25

Appendix 6. Out-of-band emissions

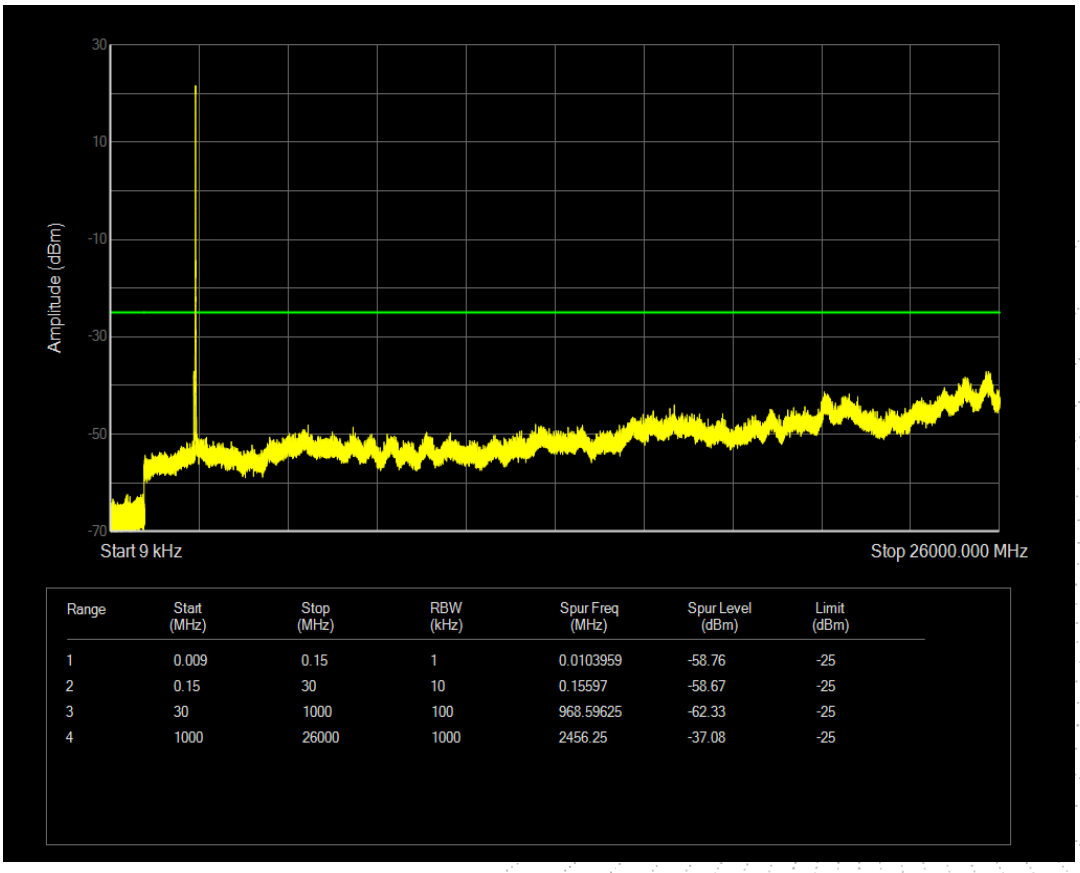
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band7	5	20775	25	#0	QPSK	2456.25	-34.57	-25	PASS
Band7	5	20775	25	#0	16QAM	2456.25	-37.08	-25	PASS
Band7	5	21100	25	#0	QPSK	2456.25	-34.95	-25	PASS
Band7	5	21100	25	#0	16QAM	2456.88	-35.64	-25	PASS
Band7	5	21425	25	#0	QPSK	2456.88	-36.35	-25	PASS
Band7	5	21425	25	#0	16QAM	2456.88	-34.38	-25	PASS
Band7	10	20800	50	#0	QPSK	2456.88	-33.75	-25	PASS
Band7	10	20800	50	#0	16QAM	25635.00	-35.68	-25	PASS
Band7	10	21100	50	#0	QPSK	25586.25	-36.80	-25	PASS
Band7	10	21100	50	#0	16QAM	25616.25	-37.11	-25	PASS
Band7	10	21400	50	#0	QPSK	25611.25	-37.01	-25	PASS
Band7	10	21400	50	#0	16QAM	2456.88	-35.01	-25	PASS
Band7	15	20825	75	#0	QPSK	25685.63	-36.35	-25	PASS
Band7	15	20825	75	#0	16QAM	25631.25	-36.19	-25	PASS
Band7	15	21100	75	#0	QPSK	25644.38	-36.75	-25	PASS
Band7	15	21100	75	#0	16QAM	25650.63	-36.86	-25	PASS
Band7	15	21375	75	#0	QPSK	25673.13	-36.28	-25	PASS
Band7	15	21375	75	#0	16QAM	25615.00	-36.75	-25	PASS
Band7	20	20850	100	#0	QPSK	25682.50	-36.69	-25	PASS
Band7	20	20850	100	#0	16QAM	25587.50	-36.38	-25	PASS
Band7	20	21100	100	#0	QPSK	25658.13	-37.35	-25	PASS
Band7	20	21100	100	#0	16QAM	25651.88	-36.95	-25	PASS
Band7	20	21350	100	#0	QPSK	25609.38	-36.22	-25	PASS
Band7	20	21350	100	#0	16QAM	25663.75	-36.87	-25	PASS

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



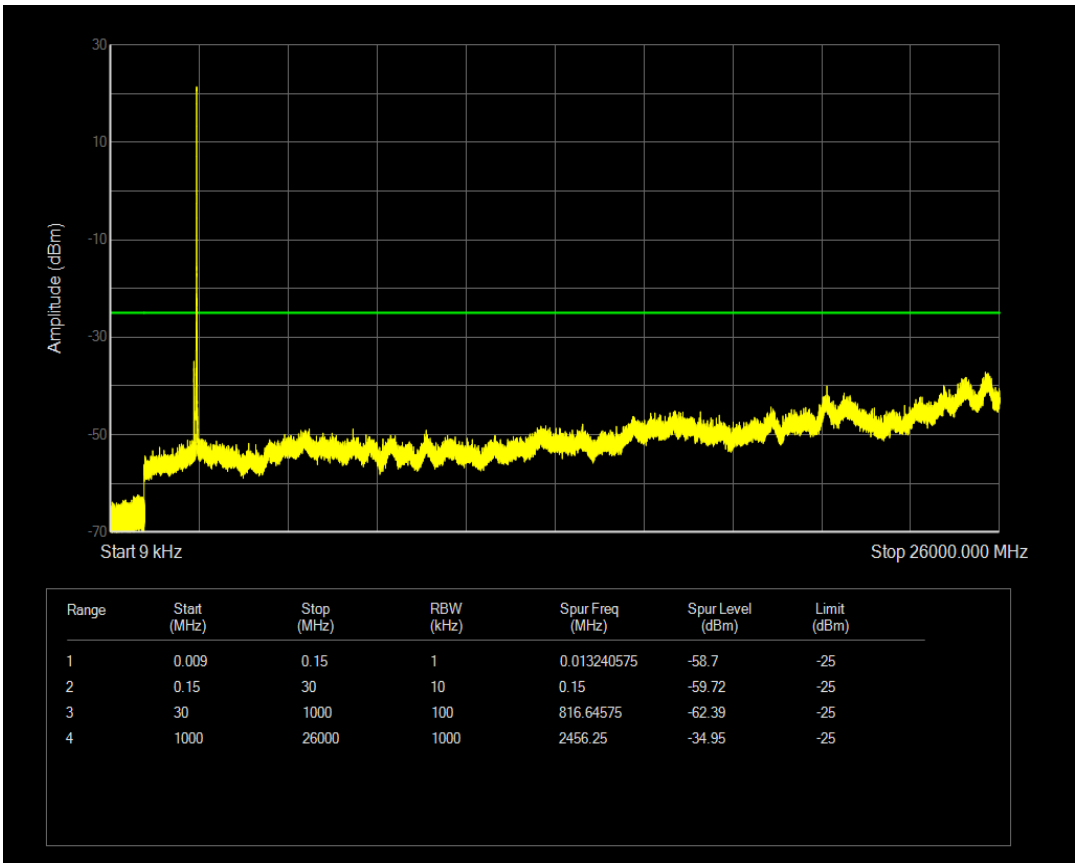
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011301825	-58.34	-25
2	0.15	30	10	0.152985	-58.9	-25
3	30	1000	100	787.10925	-62.04	-25
4	1000	26000	1000	2456.25	-34.57	-25

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



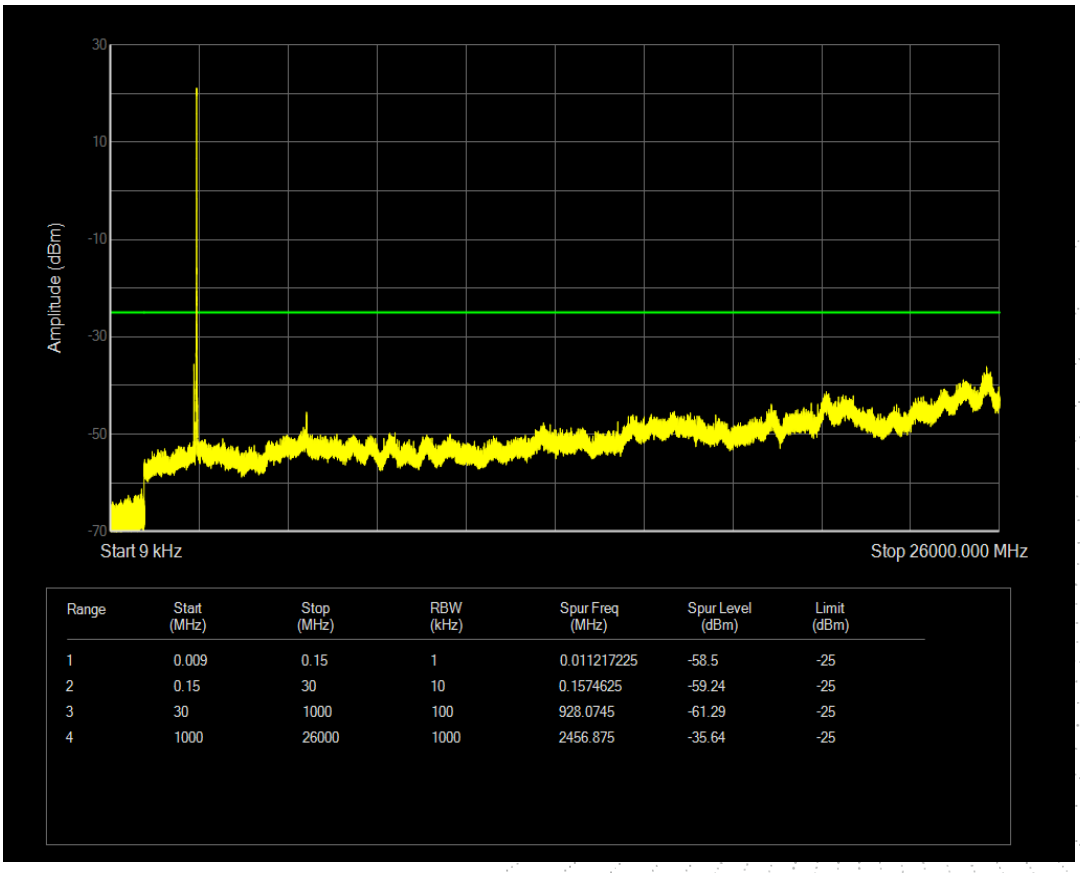
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103959	-58.76	-25
2	0.15	30	10	0.15597	-58.67	-25
3	30	1000	100	968.59625	-62.33	-25
4	1000	26000	1000	2456.25	-37.08	-25

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



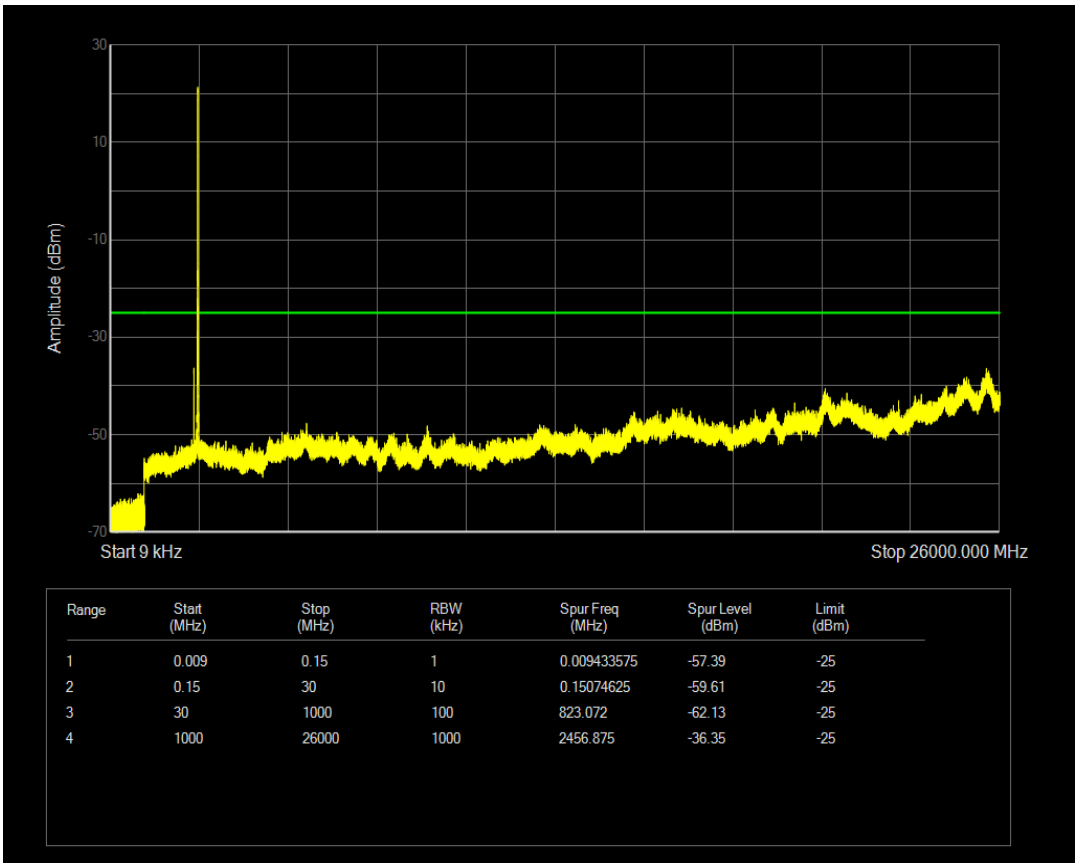
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013240575	-58.7	-25
2	0.15	30	10	0.15	-59.72	-25
3	30	1000	100	816.64575	-62.39	-25
4	1000	26000	1000	2456.25	-34.95	-25

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



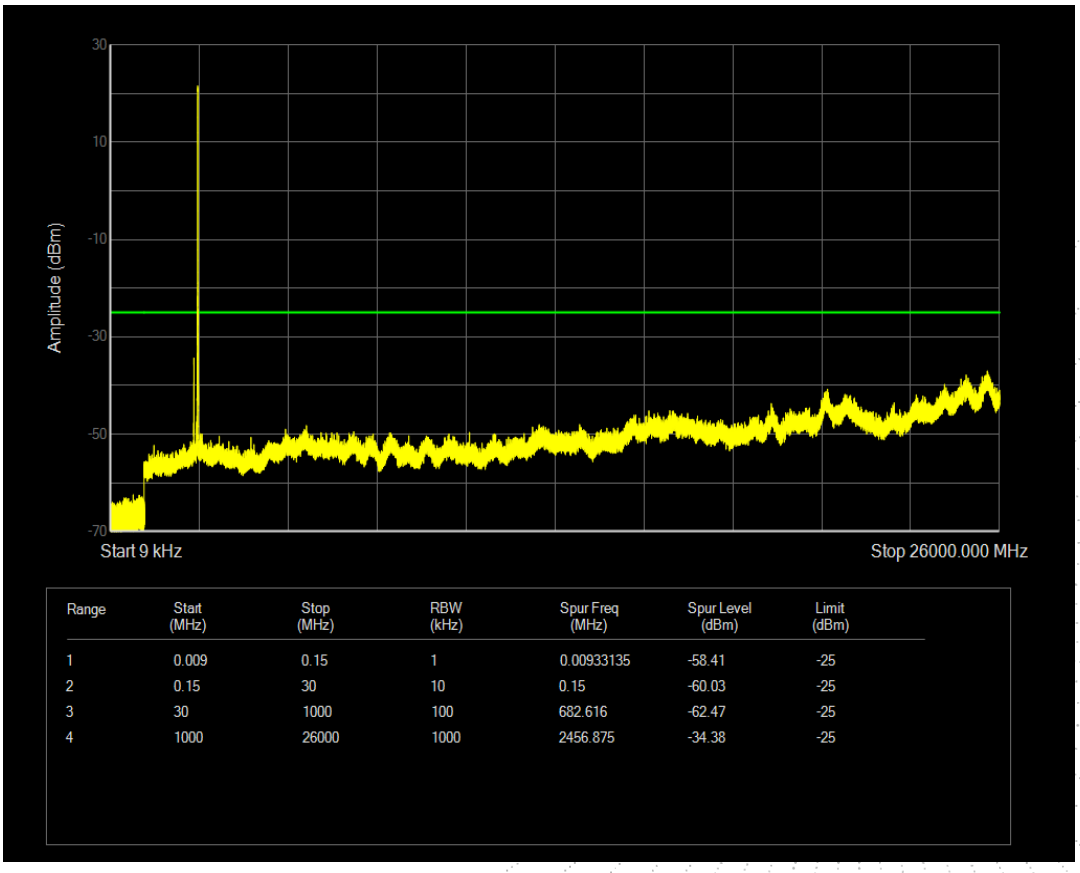
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011217225	-58.5	-25
2	0.15	30	10	0.1574625	-59.24	-25
3	30	1000	100	928.0745	-61.29	-25
4	1000	26000	1000	2456.875	-35.64	-25

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



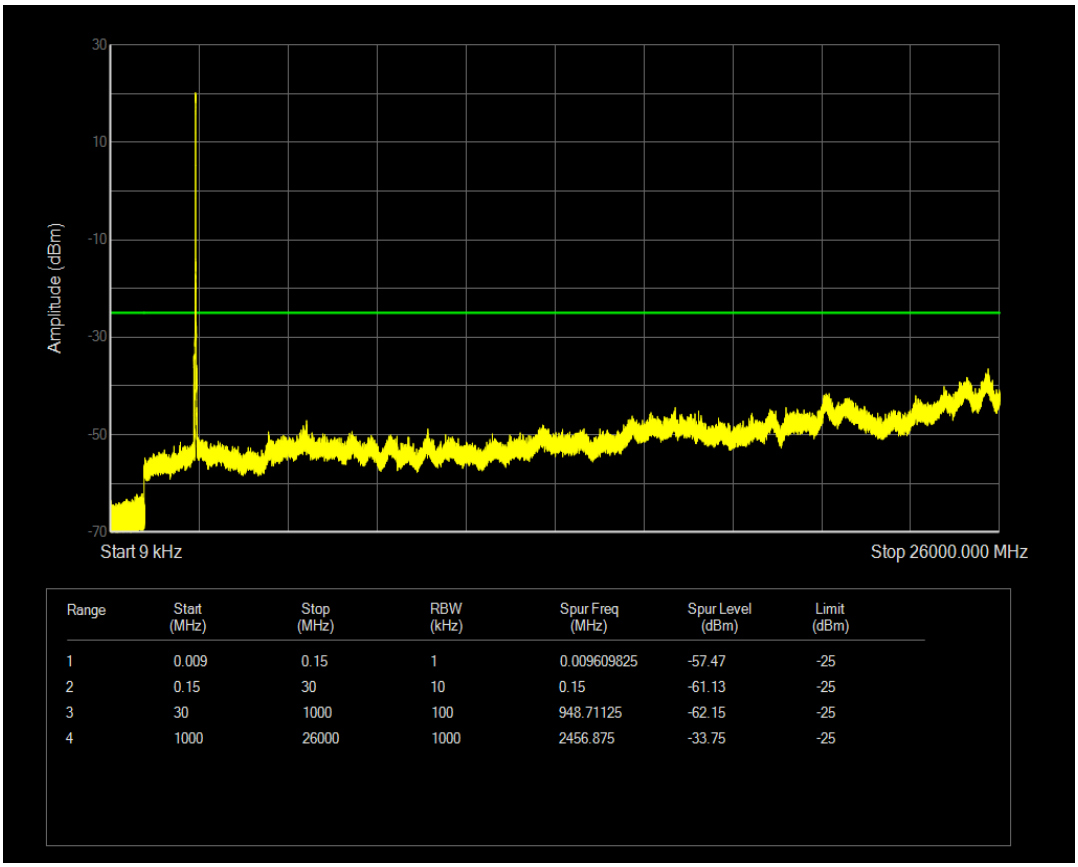
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009433575	-57.39	-25
2	0.15	30	10	0.15074625	-59.61	-25
3	30	1000	100	823.072	-62.13	-25
4	1000	26000	1000	2456.875	-36.35	-25

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



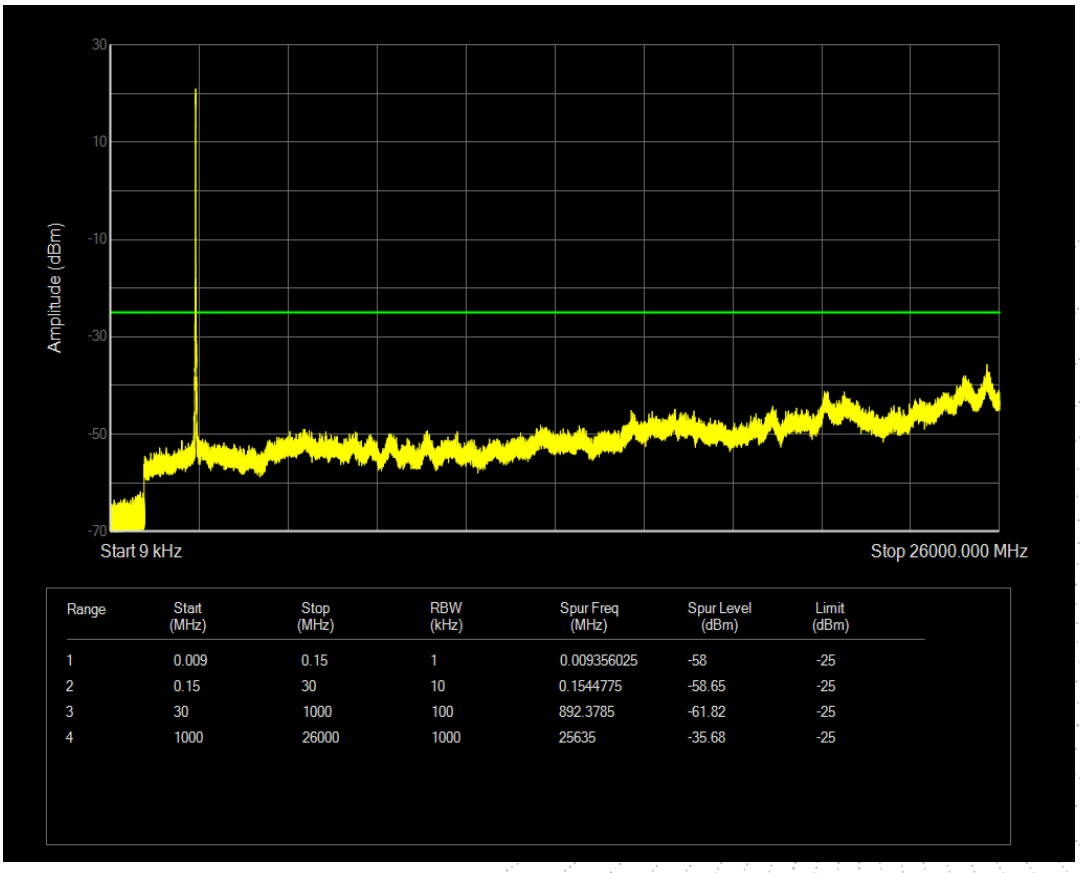
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00933135	-58.41	-25
2	0.15	30	10	0.15	-60.03	-25
3	30	1000	100	682.616	-62.47	-25
4	1000	26000	1000	2456.875	-34.38	-25

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



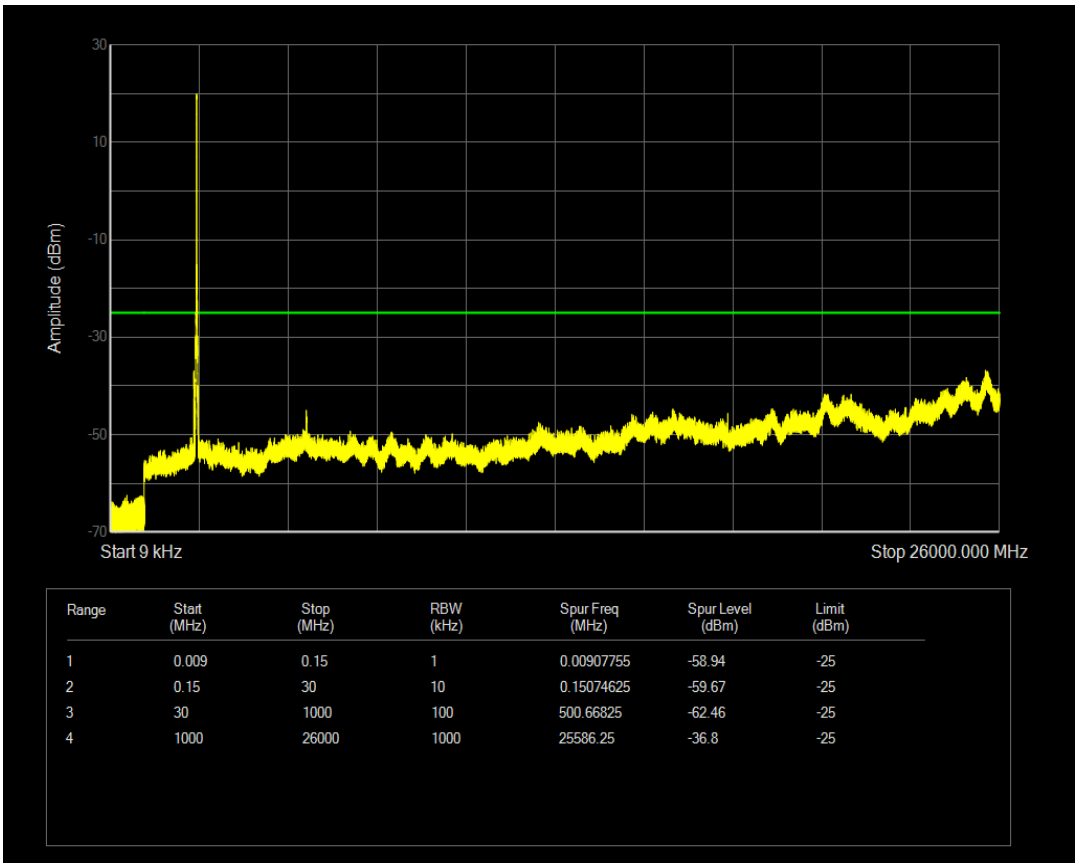
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009609825	-57.47	-25
2	0.15	30	10	0.15	-61.13	-25
3	30	1000	100	948.71125	-62.15	-25
4	1000	26000	1000	2456.875	-33.75	-25

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



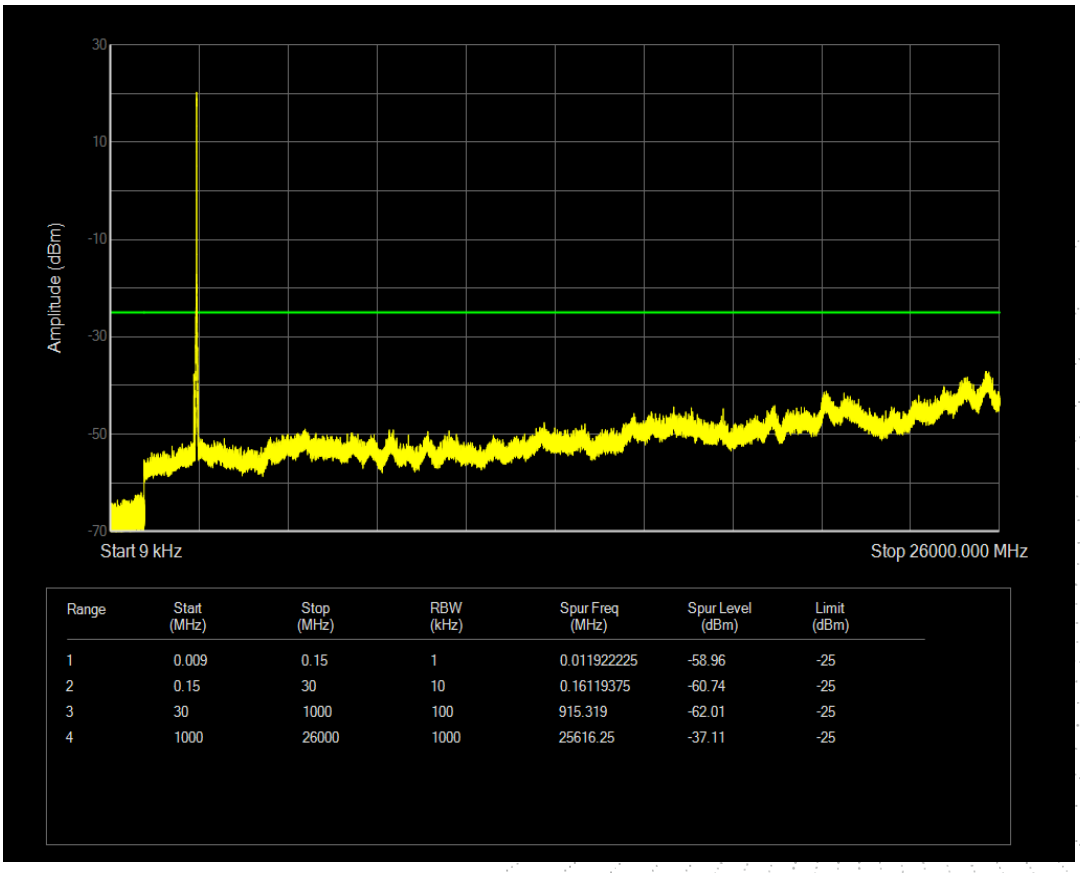
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009356025	-58	-25
2	0.15	30	10	0.1544775	-58.65	-25
3	30	1000	100	892.3785	-61.82	-25
4	1000	26000	1000	25635	-35.68	-25

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



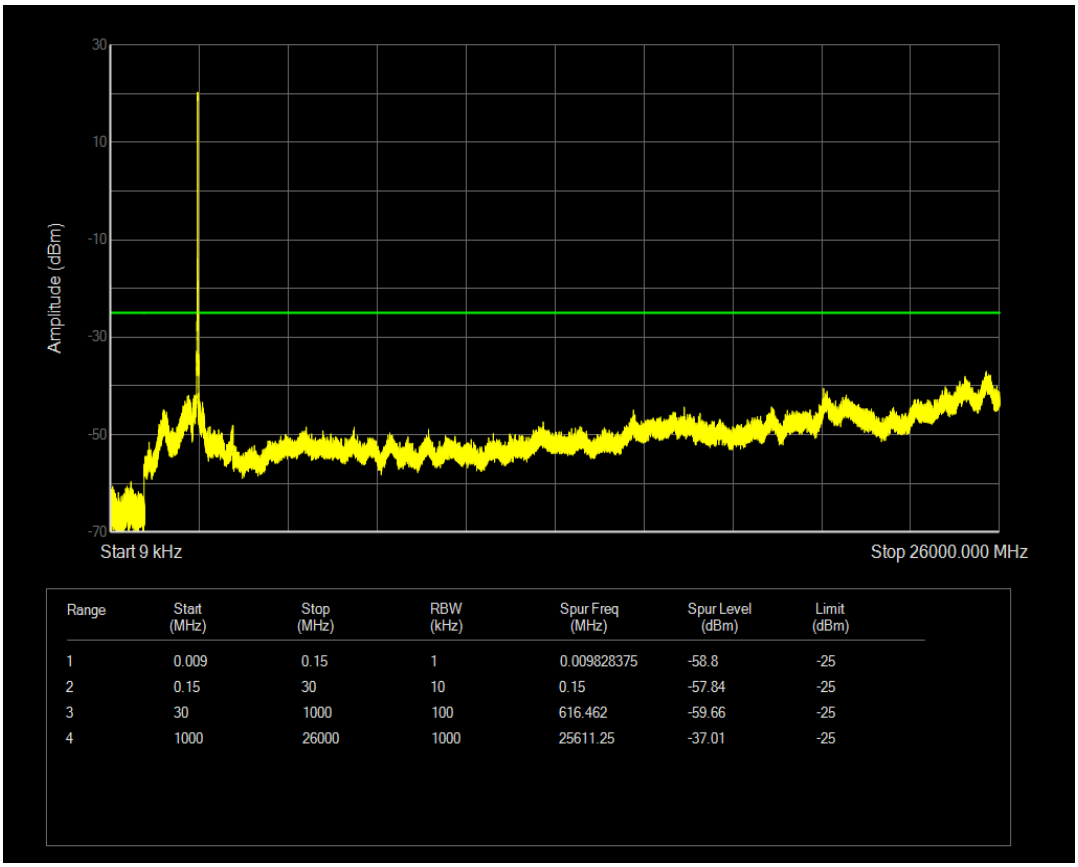
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00907755	-58.94	-25
2	0.15	30	10	0.15074625	-59.67	-25
3	30	1000	100	500.66825	-62.46	-25
4	1000	26000	1000	25586.25	-36.8	-25

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



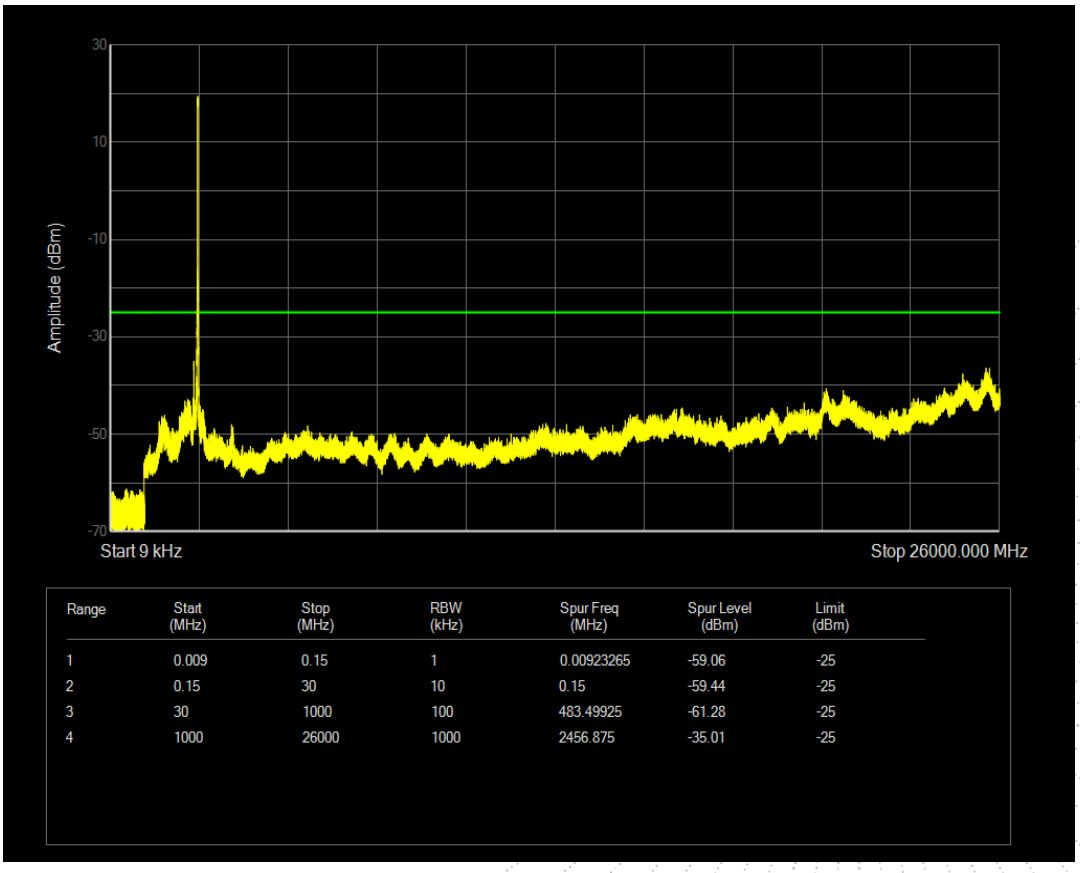
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011922225	-58.96	-25
2	0.15	30	10	0.16119375	-60.74	-25
3	30	1000	100	915.319	-62.01	-25
4	1000	26000	1000	25616.25	-37.11	-25

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



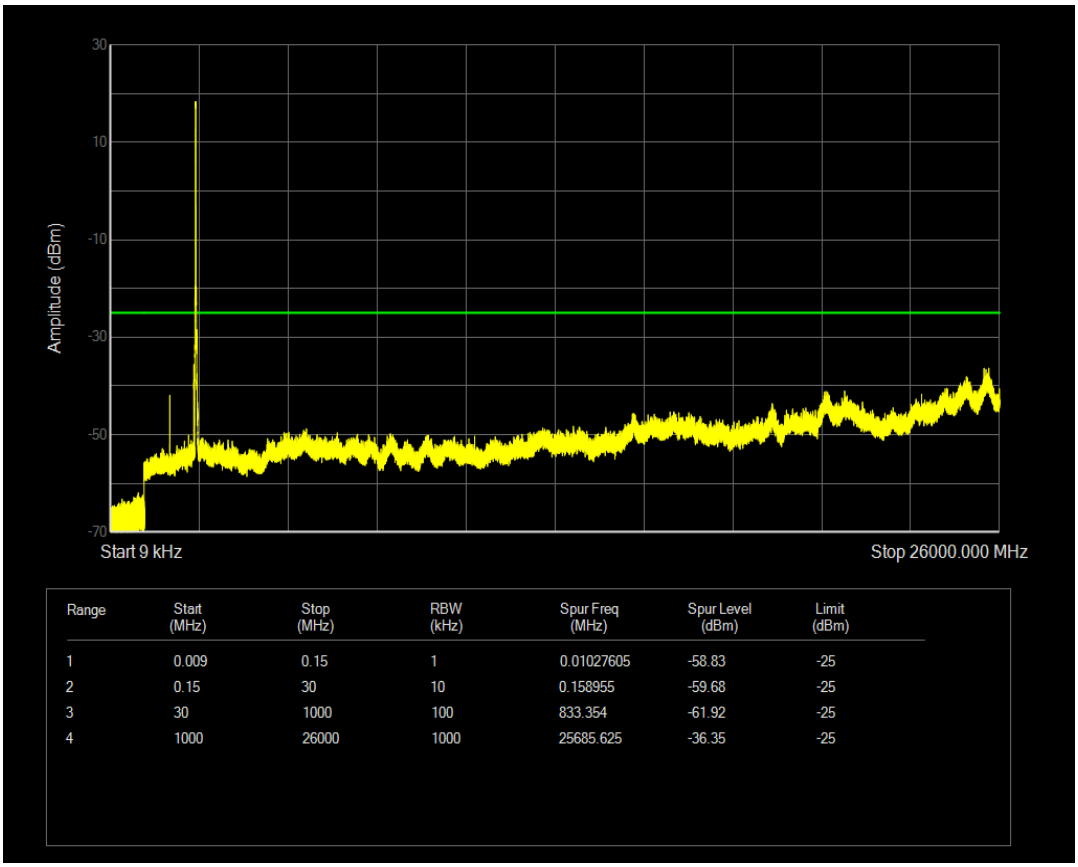
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009828375	-58.8	-25
2	0.15	30	10	0.15	-57.84	-25
3	30	1000	100	616.462	-59.66	-25
4	1000	26000	1000	25611.25	-37.01	-25

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



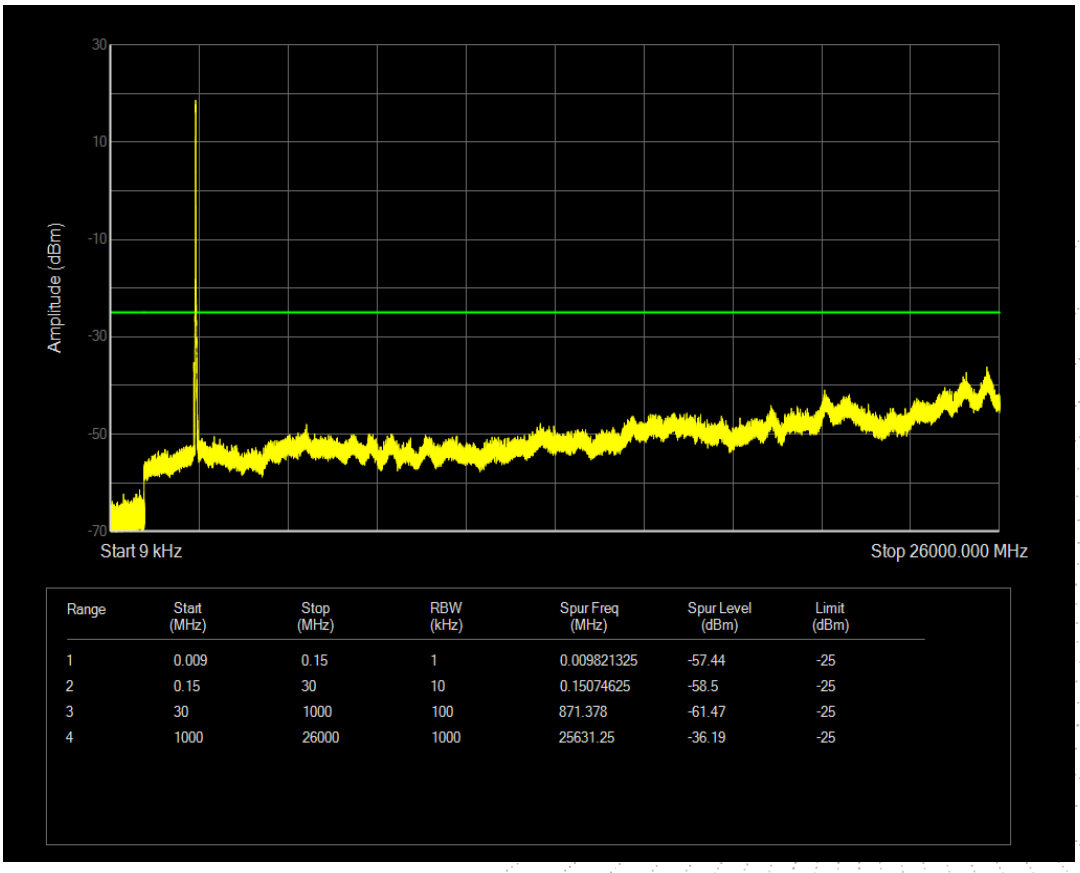
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00923265	-59.06	-25
2	0.15	30	10	0.15	-59.44	-25
3	30	1000	100	483.49925	-61.28	-25
4	1000	26000	1000	2456.875	-35.01	-25

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



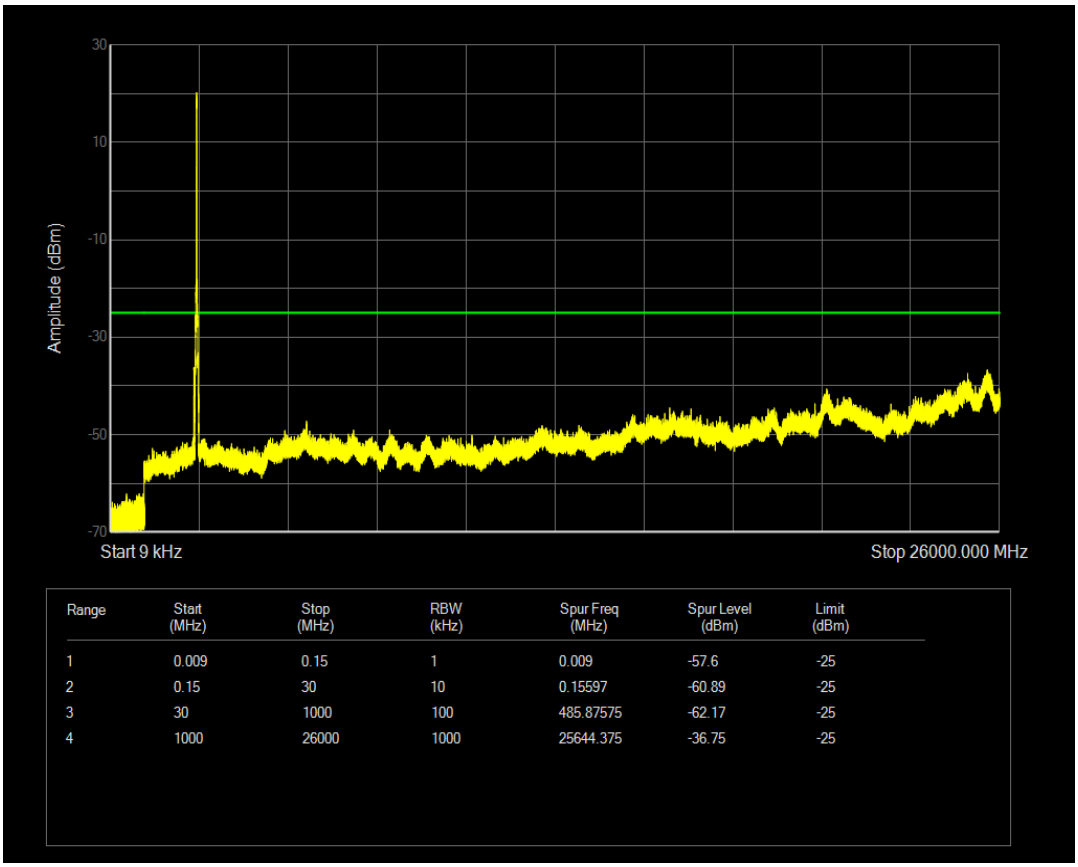
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01027605	-58.83	-25
2	0.15	30	10	0.158955	-59.68	-25
3	30	1000	100	833.354	-61.92	-25
4	1000	26000	1000	25685.625	-36.35	-25

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



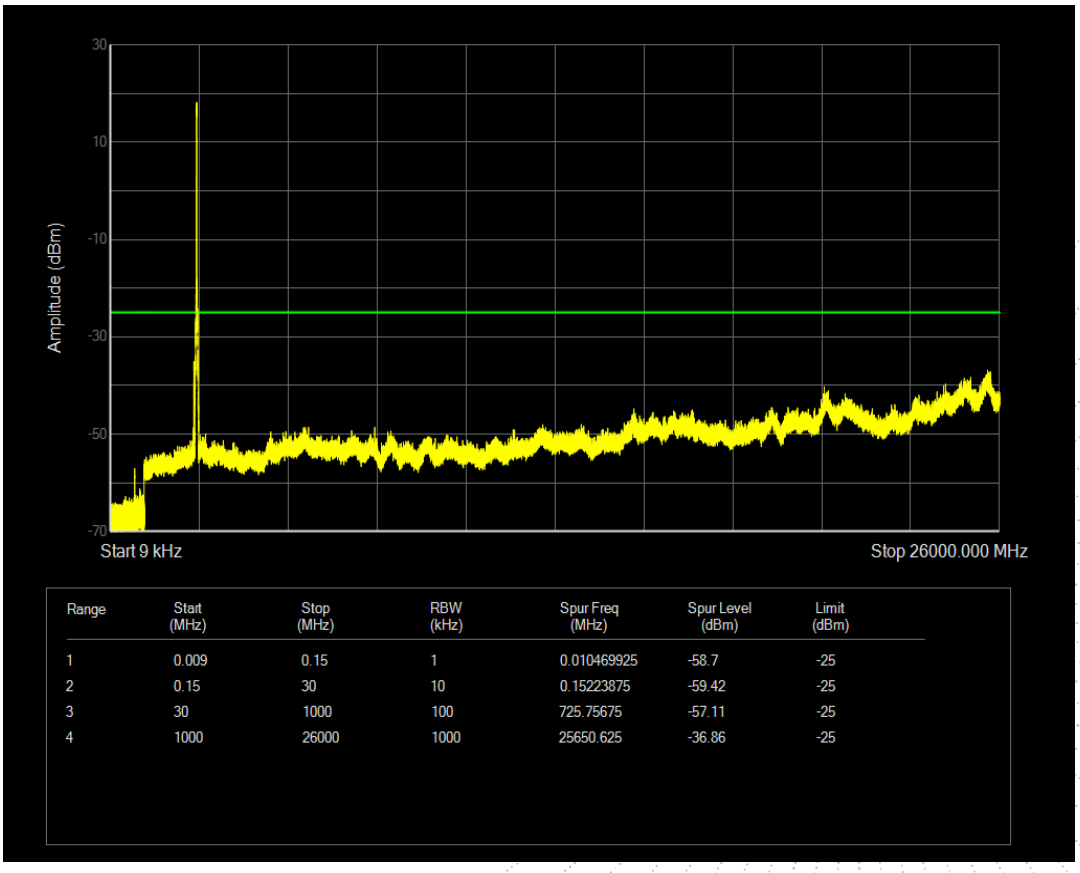
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009821325	-57.44	-25
2	0.15	30	10	0.15074625	-58.5	-25
3	30	1000	100	871.378	-61.47	-25
4	1000	26000	1000	25631.25	-36.19	-25

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



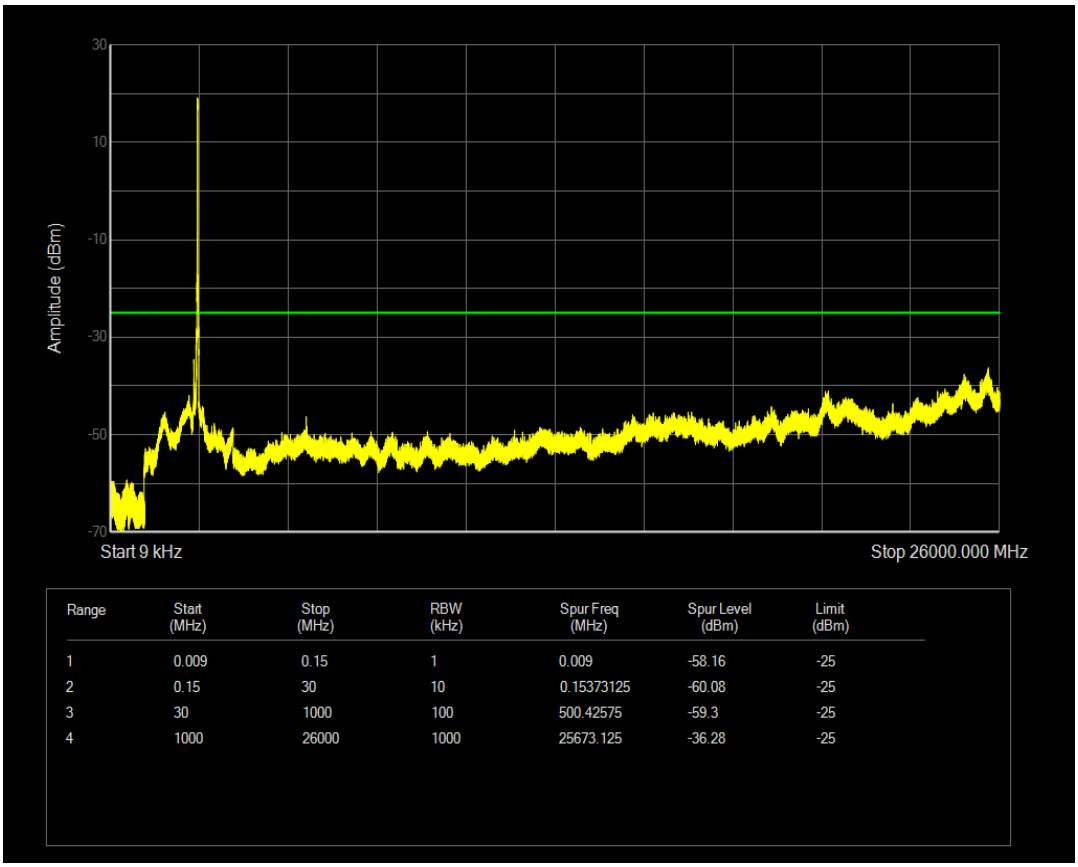
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.6	-25
2	0.15	30	10	0.15597	-60.89	-25
3	30	1000	100	485.87575	-62.17	-25
4	1000	26000	1000	25644.375	-36.75	-25

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



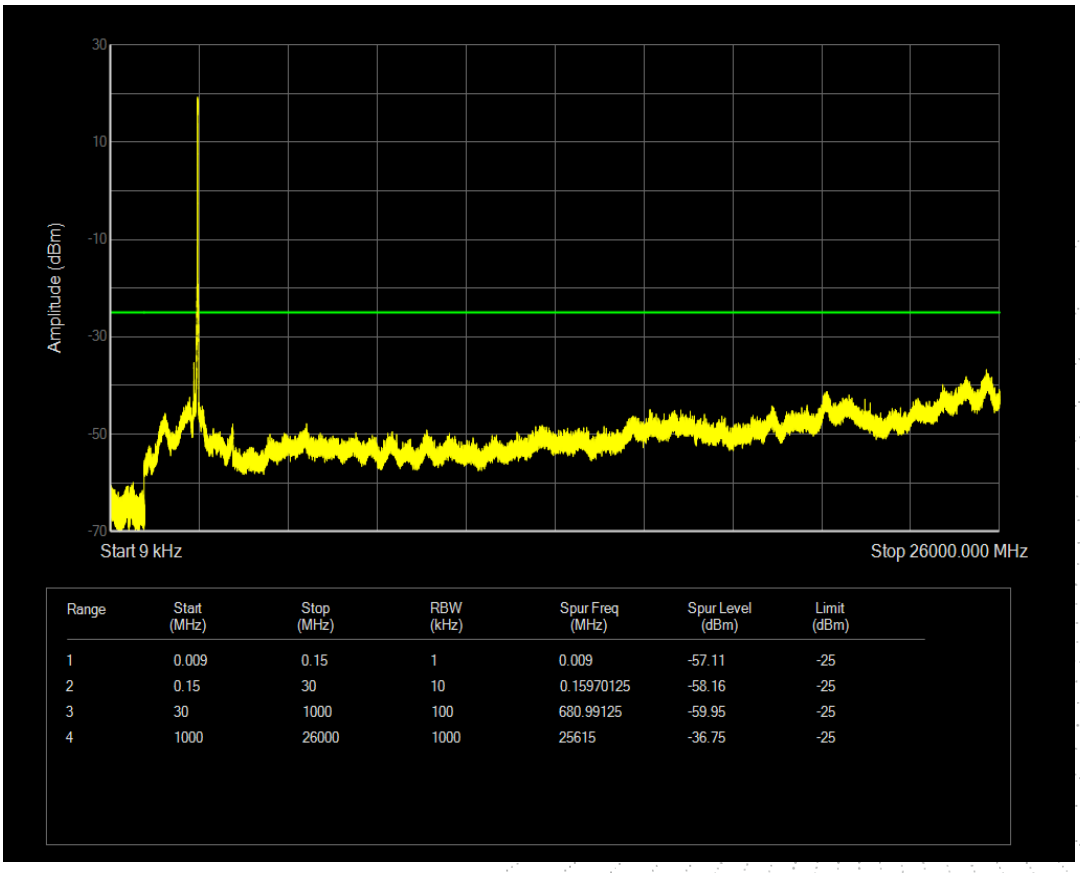
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010469925	-58.7	-25
2	0.15	30	10	0.15223875	-59.42	-25
3	30	1000	100	725.75675	-57.11	-25
4	1000	26000	1000	25650.625	-36.86	-25

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



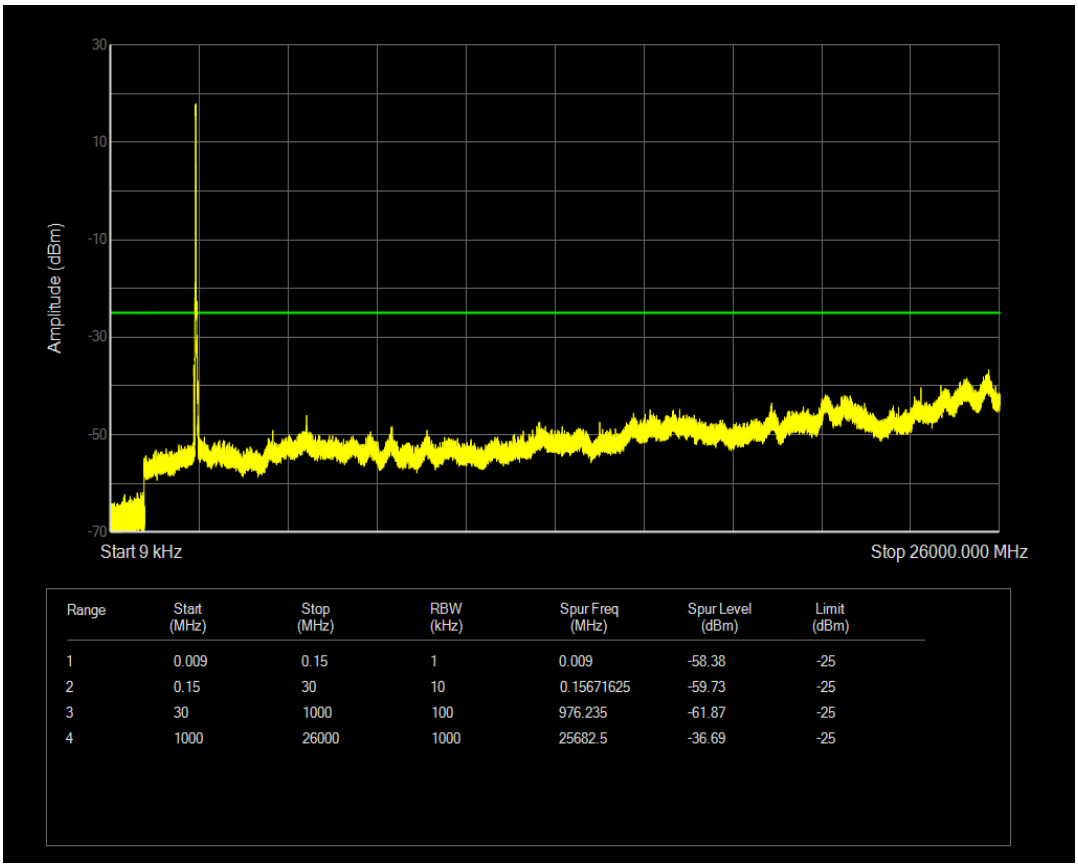
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.16	-25
2	0.15	30	10	0.15373125	-60.08	-25
3	30	1000	100	500.42575	-59.3	-25
4	1000	26000	1000	25673.125	-36.28	-25

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



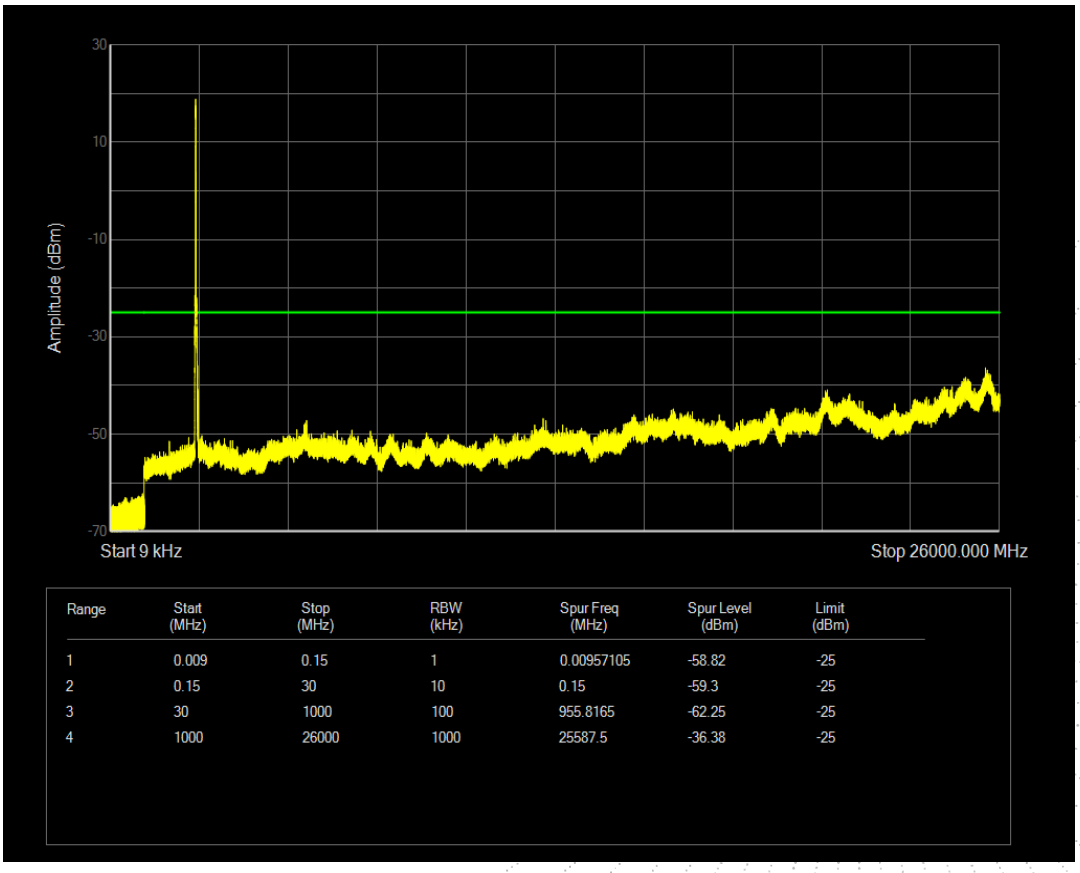
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.11	-25
2	0.15	30	10	0.15970125	-58.16	-25
3	30	1000	100	680.99125	-59.95	-25
4	1000	26000	1000	25615	-36.75	-25

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



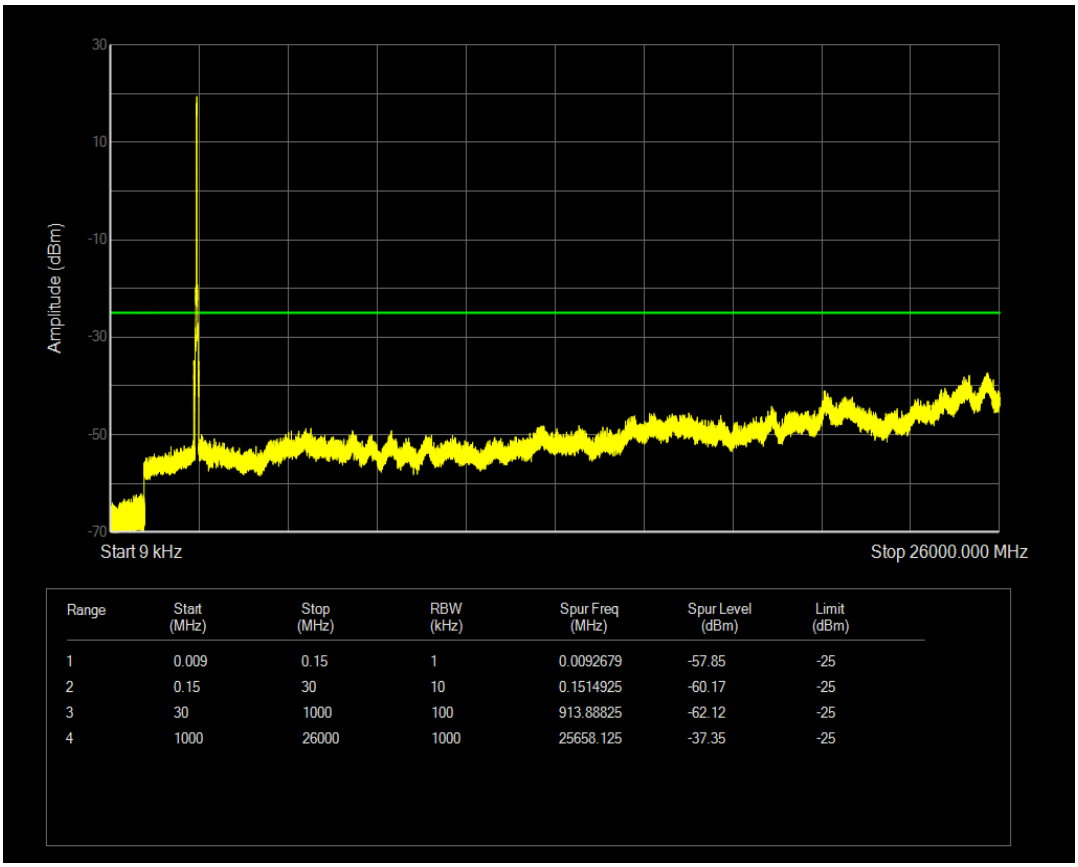
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.38	-25
2	0.15	30	10	0.15671625	-59.73	-25
3	30	1000	100	976.235	-61.87	-25
4	1000	26000	1000	25682.5	-36.69	-25

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



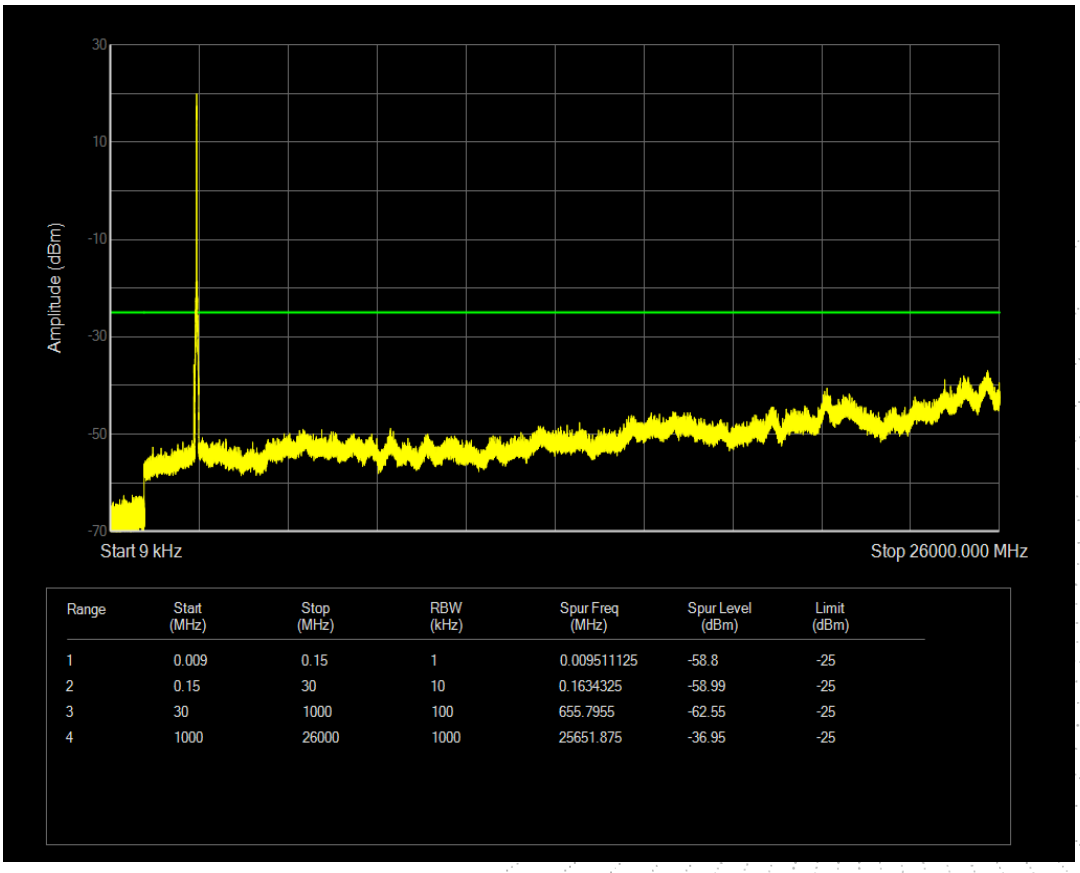
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00957105	-58.82	-25
2	0.15	30	10	0.15	-59.3	-25
3	30	1000	100	955.8165	-62.25	-25
4	1000	26000	1000	25587.5	-36.38	-25

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



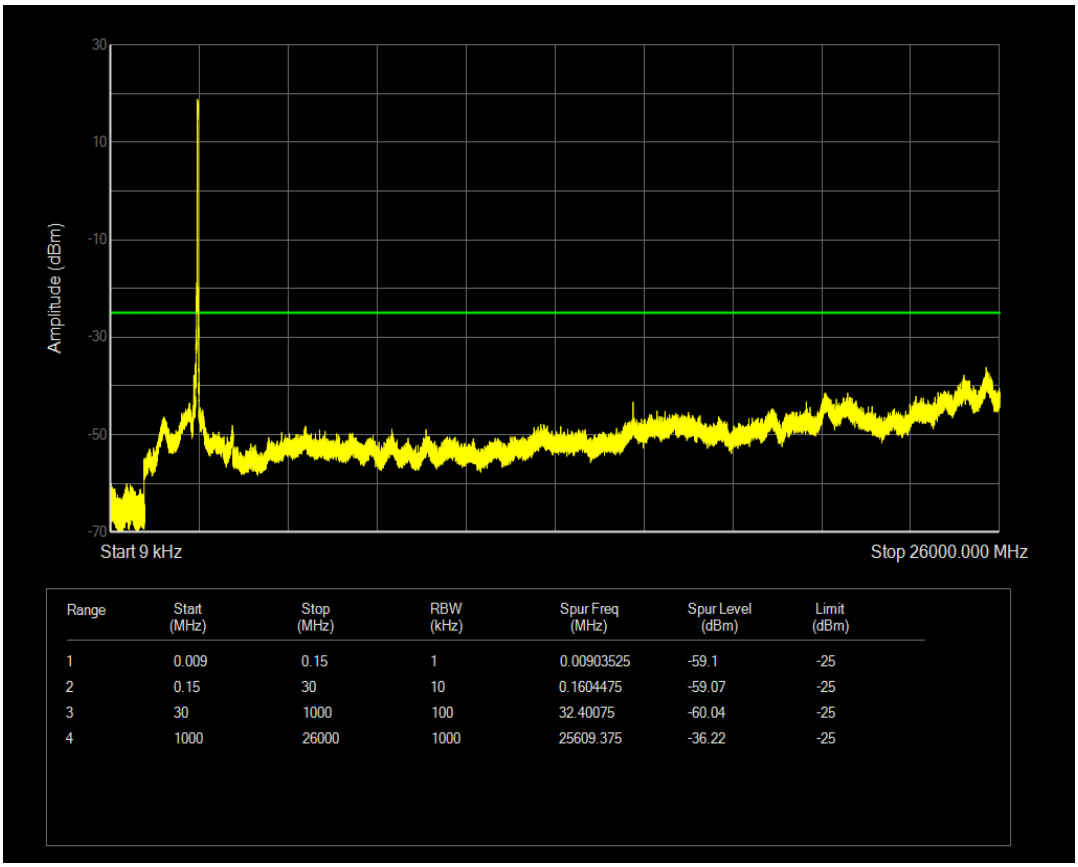
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092679	-57.85	-25
2	0.15	30	10	0.1514925	-60.17	-25
3	30	1000	100	913.88825	-62.12	-25
4	1000	26000	1000	25658.125	-37.35	-25

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



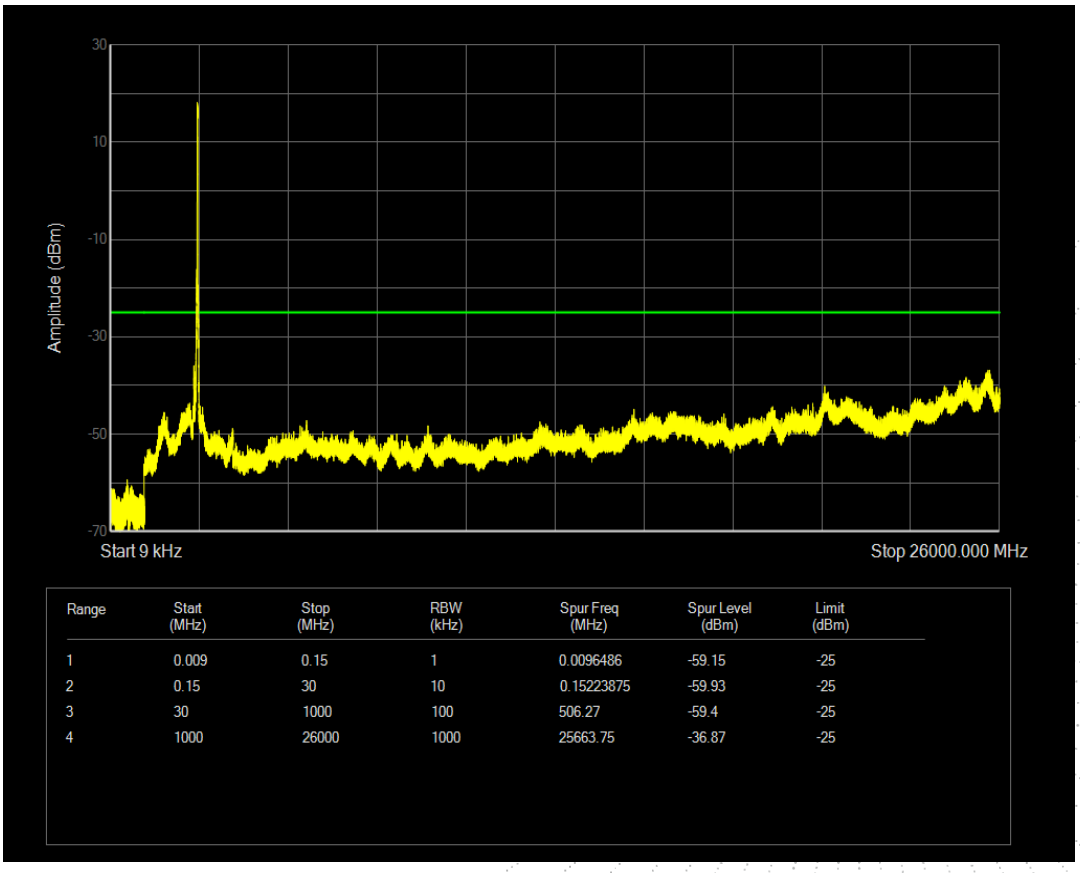
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009511125	-58.8	-25
2	0.15	30	10	0.1634325	-58.99	-25
3	30	1000	100	655.7955	-62.55	-25
4	1000	26000	1000	25651.875	-36.95	-25

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	0.00903525	-59.1	-25
2	0.15	30	10	0.1604475	-59.07	-25
3	30	1000	100	32.40075	-60.04	-25
4	1000	26000	1000	25609.375	-36.22	-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	0.0096486	-59.15	-25
2	0.15	30	10	0.15223875	-59.93	-25
3	30	1000	100	506.27	-59.4	-25
4	1000	26000	1000	25663.75	-36.87	-25