

Appendix for Band 41

Report No.: BCTC2312704909-5E

Applicant: Shenzhen Swage Electronics Co.,Ltd.

Product Name: Smart watch

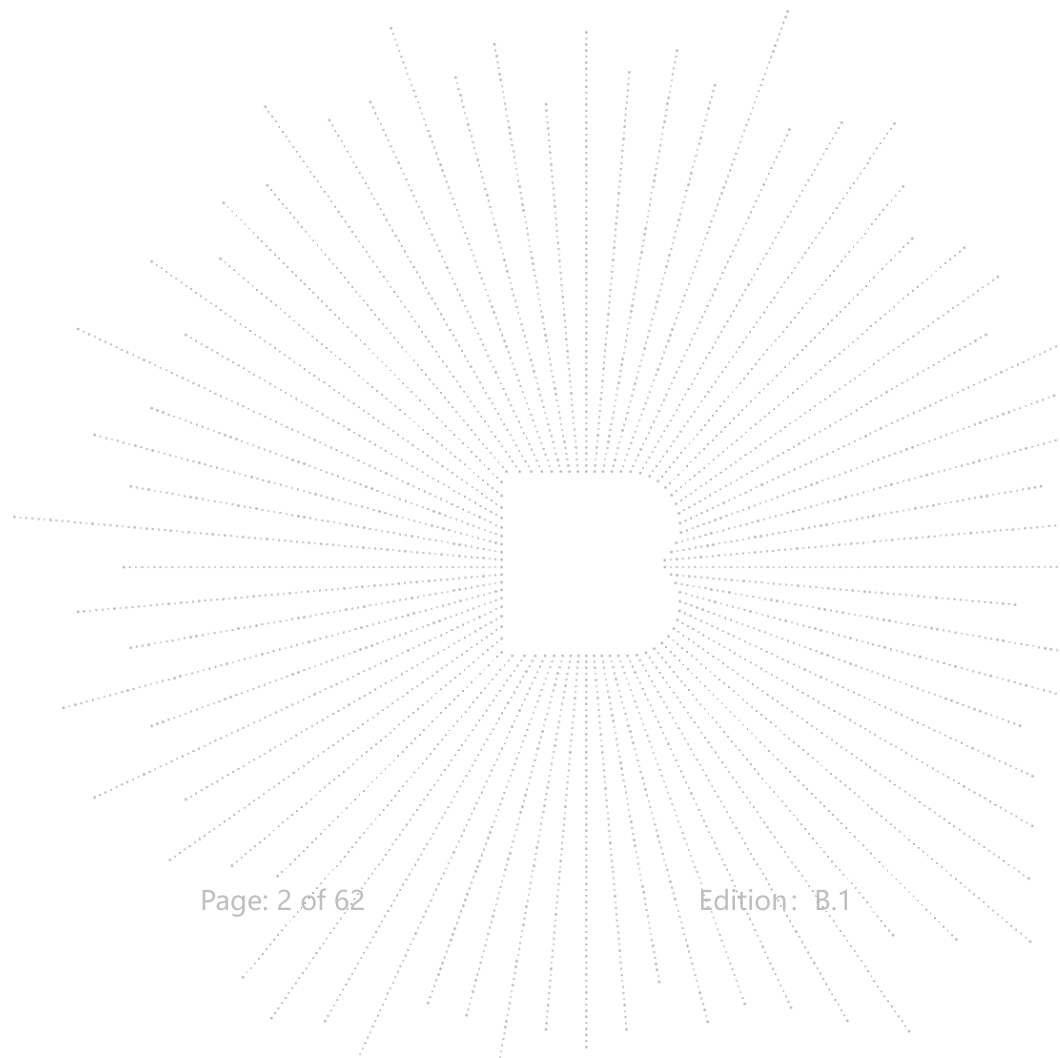
Test Model: D10

Tested Date: 2023-12-04 to 2023-12-18

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
Band41	5	39675	1	#0	QPSK	22.74	2.77	25.51	PASS
Band41	5	39675	1	#Mid	QPSK	22.76	2.77	25.53	PASS
Band41	5	39675	1	#Max	QPSK	22.84	2.77	25.61	PASS
Band41	5	39675	12	#0	QPSK	21.76	2.77	24.53	PASS
Band41	5	39675	12	#Mid	QPSK	21.72	2.77	24.49	PASS
Band41	5	39675	12	#Max	QPSK	21.79	2.77	24.56	PASS
Band41	5	39675	25	#0	QPSK	21.84	2.77	24.61	PASS
Band41	5	39675	1	#0	16QAM	21.41	2.77	24.18	PASS
Band41	5	39675	1	#Mid	16QAM	21.41	2.77	24.18	PASS
Band41	5	39675	1	#Max	16QAM	21.43	2.77	24.20	PASS
Band41	5	39675	12	#0	16QAM	20.82	2.77	23.59	PASS
Band41	5	39675	12	#Mid	16QAM	20.76	2.77	23.53	PASS
Band41	5	39675	12	#Max	16QAM	20.74	2.77	23.51	PASS
Band41	5	39675	25	#0	16QAM	20.99	2.77	23.76	PASS
Band41	5	40620	1	#0	QPSK	22.65	2.77	25.42	PASS
Band41	5	40620	1	#Mid	QPSK	22.66	2.77	25.43	PASS
Band41	5	40620	1	#Max	QPSK	22.60	2.77	25.37	PASS
Band41	5	40620	12	#0	QPSK	21.68	2.77	24.45	PASS
Band41	5	40620	12	#Mid	QPSK	21.58	2.77	24.35	PASS
Band41	5	40620	12	#Max	QPSK	21.54	2.77	24.31	PASS
Band41	5	40620	25	#0	QPSK	21.60	2.77	24.37	PASS
Band41	5	40620	1	#0	16QAM	21.31	2.77	24.08	PASS
Band41	5	40620	1	#Mid	16QAM	21.32	2.77	24.09	PASS
Band41	5	40620	1	#Max	16QAM	21.18	2.77	23.95	PASS
Band41	5	40620	12	#0	16QAM	20.56	2.77	23.33	PASS
Band41	5	40620	12	#Mid	16QAM	20.50	2.77	23.27	PASS
Band41	5	40620	12	#Max	16QAM	20.46	2.77	23.23	PASS
Band41	5	40620	25	#0	16QAM	20.79	2.77	23.56	PASS
Band41	5	41565	1	#0	QPSK	21.41	2.77	24.18	PASS
Band41	5	41565	1	#Mid	QPSK	21.30	2.77	24.07	PASS
Band41	5	41565	1	#Max	QPSK	21.32	2.77	24.09	PASS
Band41	5	41565	12	#0	QPSK	20.39	2.77	23.16	PASS
Band41	5	41565	12	#Mid	QPSK	20.54	2.77	23.31	PASS
Band41	5	41565	12	#Max	QPSK	20.36	2.77	23.13	PASS
Band41	5	41565	25	#0	QPSK	20.38	2.77	23.15	PASS
Band41	5	41565	1	#0	16QAM	20.77	2.77	23.54	PASS
Band41	5	41565	1	#Mid	16QAM	20.76	2.77	23.53	PASS
Band41	5	41565	1	#Max	16QAM	20.66	2.77	23.43	PASS

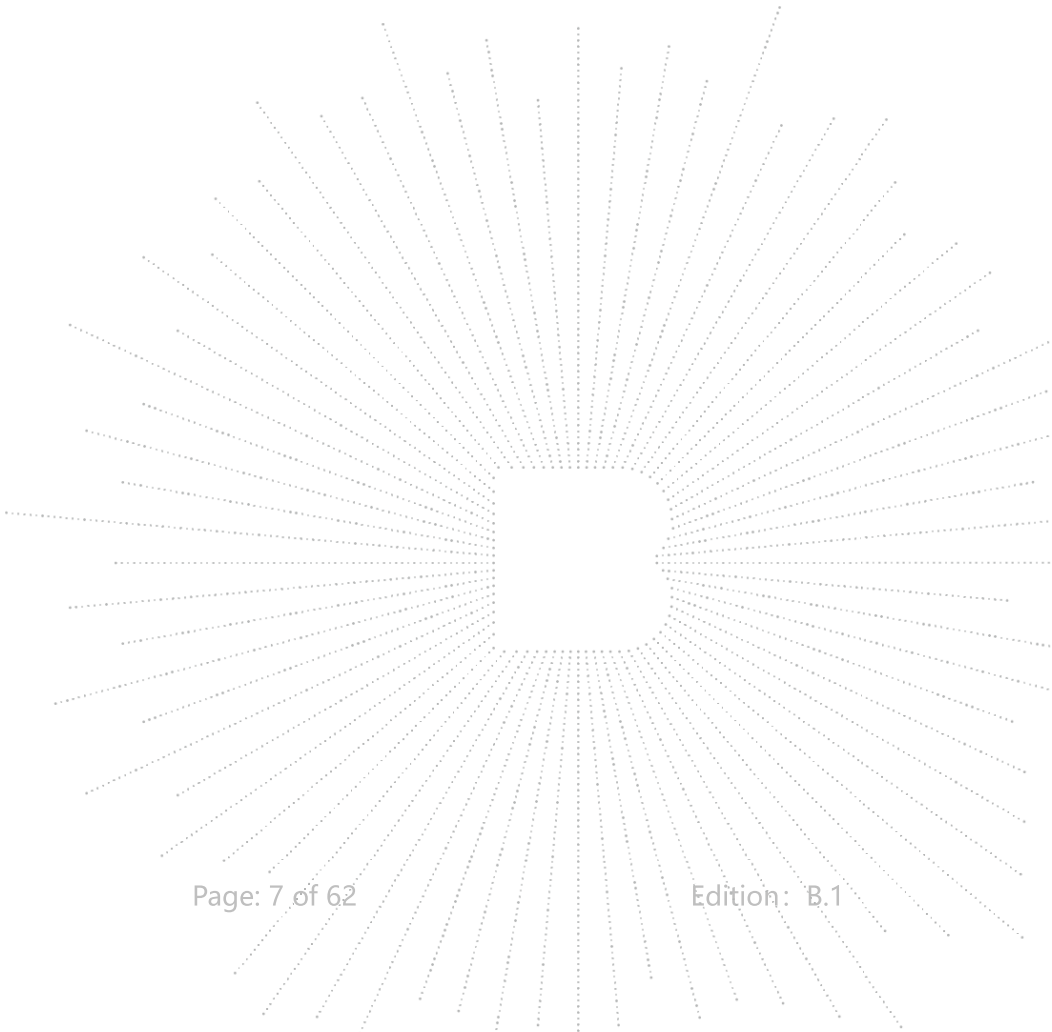
Band41	5	41565	12	#0	16QAM	19.50	2.77	22.27	PASS
Band41	5	41565	12	#Mid	16QAM	19.51	2.77	22.28	PASS
Band41	5	41565	12	#Max	16QAM	19.46	2.77	22.23	PASS
Band41	5	41565	25	#0	16QAM	19.74	2.77	22.51	PASS
Band41	10	39700	1	#0	QPSK	22.78	2.77	25.55	PASS
Band41	10	39700	1	#Mid	QPSK	22.90	2.77	25.67	PASS
Band41	10	39700	1	#Max	QPSK	22.95	2.77	25.72	PASS
Band41	10	39700	25	#0	QPSK	21.77	2.77	24.54	PASS
Band41	10	39700	25	#Mid	QPSK	21.78	2.77	24.55	PASS
Band41	10	39700	25	#Max	QPSK	21.89	2.77	24.66	PASS
Band41	10	39700	50	#0	QPSK	21.82	2.77	24.59	PASS
Band41	10	39700	1	#0	16QAM	22.16	2.77	24.93	PASS
Band41	10	39700	1	#Mid	16QAM	22.26	2.77	25.03	PASS
Band41	10	39700	1	#Max	16QAM	22.29	2.77	25.06	PASS
Band41	10	39700	25	#0	16QAM	20.90	2.77	23.67	PASS
Band41	10	39700	25	#Mid	16QAM	20.95	2.77	23.72	PASS
Band41	10	39700	25	#Max	16QAM	20.85	2.77	23.62	PASS
Band41	10	39700	50	#0	16QAM	20.94	2.77	23.71	PASS
Band41	10	40620	1	#0	QPSK	22.86	2.77	25.63	PASS
Band41	10	40620	1	#Mid	QPSK	22.69	2.77	25.46	PASS
Band41	10	40620	1	#Max	QPSK	22.60	2.77	25.37	PASS
Band41	10	40620	25	#0	QPSK	21.63	2.77	24.40	PASS
Band41	10	40620	25	#Mid	QPSK	21.50	2.77	24.27	PASS
Band41	10	40620	25	#Max	QPSK	21.41	2.77	24.18	PASS
Band41	10	40620	50	#0	QPSK	21.52	2.77	24.29	PASS
Band41	10	40620	1	#0	16QAM	20.81	2.77	23.58	PASS
Band41	10	40620	1	#Mid	16QAM	20.80	2.77	23.57	PASS
Band41	10	40620	1	#Max	16QAM	20.72	2.77	23.49	PASS
Band41	10	40620	25	#0	16QAM	20.62	2.77	23.39	PASS
Band41	10	40620	25	#Mid	16QAM	20.48	2.77	23.25	PASS
Band41	10	40620	25	#Max	16QAM	20.57	2.77	23.34	PASS
Band41	10	40620	50	#0	16QAM	20.55	2.77	23.32	PASS
Band41	10	41540	1	#0	QPSK	21.64	2.77	24.41	PASS
Band41	10	41540	1	#Mid	QPSK	21.52	2.77	24.29	PASS
Band41	10	41540	1	#Max	QPSK	21.48	2.77	24.25	PASS
Band41	10	41540	25	#0	QPSK	20.43	2.77	23.20	PASS
Band41	10	41540	25	#Mid	QPSK	20.50	2.77	23.27	PASS
Band41	10	41540	25	#Max	QPSK	20.47	2.77	23.24	PASS
Band41	10	41540	50	#0	QPSK	20.51	2.77	23.28	PASS
Band41	10	41540	1	#0	16QAM	21.15	2.77	23.92	PASS
Band41	10	41540	1	#Mid	16QAM	21.23	2.77	24.00	PASS
Band41	10	41540	1	#Max	16QAM	21.26	2.77	24.03	PASS
Band41	10	41540	25	#0	16QAM	19.51	2.77	22.28	PASS

Band41	10	41540	25	#Mid	16QAM	19.60	2.77	22.37	PASS
Band41	10	41540	25	#Max	16QAM	19.51	2.77	22.28	PASS
Band41	10	41540	50	#0	16QAM	19.58	2.77	22.35	PASS
Band41	15	39725	1	#0	QPSK	22.84	2.77	25.61	PASS
Band41	15	39725	1	#Mid	QPSK	22.93	2.77	25.70	PASS
Band41	15	39725	1	#Max	QPSK	23.07	2.77	25.84	PASS
Band41	15	39725	36	#0	QPSK	21.86	2.77	24.63	PASS
Band41	15	39725	36	#Mid	QPSK	21.86	2.77	24.63	PASS
Band41	15	39725	36	#Max	QPSK	21.81	2.77	24.58	PASS
Band41	15	39725	75	#0	QPSK	21.78	2.77	24.55	PASS
Band41	15	39725	1	#0	16QAM	22.35	2.77	25.12	PASS
Band41	15	39725	1	#Mid	16QAM	22.45	2.77	25.22	PASS
Band41	15	39725	1	#Max	16QAM	22.53	2.77	25.30	PASS
Band41	15	39725	36	#0	16QAM	20.85	2.77	23.62	PASS
Band41	15	39725	36	#Mid	16QAM	20.89	2.77	23.66	PASS
Band41	15	39725	36	#Max	16QAM	20.92	2.77	23.69	PASS
Band41	15	39725	75	#0	16QAM	20.99	2.77	23.76	PASS
Band41	15	40620	1	#0	QPSK	22.74	2.77	25.51	PASS
Band41	15	40620	1	#Mid	QPSK	22.60	2.77	25.37	PASS
Band41	15	40620	1	#Max	QPSK	22.68	2.77	25.45	PASS
Band41	15	40620	36	#0	QPSK	21.58	2.77	24.35	PASS
Band41	15	40620	36	#Mid	QPSK	21.57	2.77	24.34	PASS
Band41	15	40620	36	#Max	QPSK	21.52	2.77	24.29	PASS
Band41	15	40620	75	#0	QPSK	21.63	2.77	24.40	PASS
Band41	15	40620	1	#0	16QAM	20.88	2.77	23.65	PASS
Band41	15	40620	1	#Mid	16QAM	20.78	2.77	23.55	PASS
Band41	15	40620	1	#Max	16QAM	20.71	2.77	23.48	PASS
Band41	15	40620	36	#0	16QAM	20.80	2.77	23.57	PASS
Band41	15	40620	36	#Mid	16QAM	20.82	2.77	23.59	PASS
Band41	15	40620	36	#Max	16QAM	20.78	2.77	23.55	PASS
Band41	15	40620	75	#0	16QAM	20.60	2.77	23.37	PASS
Band41	15	41515	1	#0	QPSK	21.61	2.77	24.38	PASS
Band41	15	41515	1	#Mid	QPSK	21.46	2.77	24.23	PASS
Band41	15	41515	1	#Max	QPSK	21.39	2.77	24.16	PASS
Band41	15	41515	36	#0	QPSK	20.58	2.77	23.35	PASS
Band41	15	41515	36	#Mid	QPSK	20.45	2.77	23.22	PASS
Band41	15	41515	36	#Max	QPSK	20.46	2.77	23.23	PASS
Band41	15	41515	75	#0	QPSK	20.49	2.77	23.26	PASS
Band41	15	41515	1	#0	16QAM	20.61	2.77	23.38	PASS
Band41	15	41515	1	#Mid	16QAM	20.45	2.77	23.22	PASS
Band41	15	41515	1	#Max	16QAM	20.39	2.77	23.16	PASS
Band41	15	41515	36	#0	16QAM	19.55	2.77	22.32	PASS
Band41	15	41515	36	#Mid	16QAM	19.44	2.77	22.21	PASS

Band41	15	41515	36	#Max	16QAM	19.45	2.77	22.22	PASS
Band41	15	41515	75	#0	16QAM	19.78	2.77	22.55	PASS
Band41	20	39750	1	#0	QPSK	22.55	2.77	25.32	PASS
Band41	20	39750	1	#Mid	QPSK	22.64	2.77	25.41	PASS
Band41	20	39750	1	#Max	QPSK	22.70	2.77	25.47	PASS
Band41	20	39750	50	#0	QPSK	21.87	2.77	24.64	PASS
Band41	20	39750	50	#Mid	QPSK	21.75	2.77	24.52	PASS
Band41	20	39750	50	#Max	QPSK	21.97	2.77	24.74	PASS
Band41	20	39750	100	#0	QPSK	21.90	2.77	24.67	PASS
Band41	20	39750	1	#0	16QAM	21.80	2.77	24.57	PASS
Band41	20	39750	1	#Mid	16QAM	21.87	2.77	24.64	PASS
Band41	20	39750	1	#Max	16QAM	21.91	2.77	24.68	PASS
Band41	20	39750	50	#0	16QAM	20.99	2.77	23.76	PASS
Band41	20	39750	50	#Mid	16QAM	21.21	2.77	23.98	PASS
Band41	20	39750	50	#Max	16QAM	21.11	2.77	23.88	PASS
Band41	20	39750	100	#0	16QAM	20.98	2.77	23.75	PASS
Band41	20	40620	1	#0	QPSK	22.83	2.77	25.60	PASS
Band41	20	40620	1	#Mid	QPSK	22.69	2.77	25.46	PASS
Band41	20	40620	1	#Max	QPSK	22.51	2.77	25.28	PASS
Band41	20	40620	50	#0	QPSK	21.62	2.77	24.39	PASS
Band41	20	40620	50	#Mid	QPSK	21.53	2.77	24.30	PASS
Band41	20	40620	50	#Max	QPSK	21.53	2.77	24.30	PASS
Band41	20	40620	100	#0	QPSK	21.64	2.77	24.41	PASS
Band41	20	40620	1	#0	16QAM	21.56	2.77	24.33	PASS
Band41	20	40620	1	#Mid	16QAM	21.59	2.77	24.36	PASS
Band41	20	40620	1	#Max	16QAM	21.29	2.77	24.06	PASS
Band41	20	40620	50	#0	16QAM	20.39	2.77	23.16	PASS
Band41	20	40620	50	#Mid	16QAM	20.71	2.77	23.48	PASS
Band41	20	40620	50	#Max	16QAM	20.53	2.77	23.30	PASS
Band41	20	40620	100	#0	16QAM	20.63	2.77	23.40	PASS
Band41	20	41490	1	#0	QPSK	21.89	2.77	24.66	PASS
Band41	20	41490	1	#Mid	QPSK	21.63	2.77	24.40	PASS
Band41	20	41490	1	#Max	QPSK	21.43	2.77	24.20	PASS
Band41	20	41490	50	#0	QPSK	20.72	2.77	23.49	PASS
Band41	20	41490	50	#Mid	QPSK	20.59	2.77	23.36	PASS
Band41	20	41490	50	#Max	QPSK	20.50	2.77	23.27	PASS
Band41	20	41490	100	#0	QPSK	20.54	2.77	23.31	PASS
Band41	20	41490	1	#0	16QAM	20.11	2.77	22.88	PASS
Band41	20	41490	1	#Mid	16QAM	19.47	2.77	22.24	PASS
Band41	20	41490	1	#Max	16QAM	19.76	2.77	22.53	PASS
Band41	20	41490	50	#0	16QAM	19.87	2.77	22.64	PASS
Band41	20	41490	50	#Mid	16QAM	19.76	2.77	22.53	PASS
Band41	20	41490	50	#Max	16QAM	19.75	2.77	22.52	PASS



Band41	20	41490	100	#0	16QAM	19.63	2.77	22.40	PASS
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Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	39675	25	#0	QPSK	LV	NT	-9.76	-0.004	PASS
Band41	5	39675	25	#0	QPSK	NV	NT	-2.46	-0.001	PASS
Band41	5	39675	25	#0	QPSK	HV	NT	3.82	0.002	PASS
Band41	5	39675	25	#0	16QAM	LV	NT	9.01	0.004	PASS
Band41	5	39675	25	#0	16QAM	NV	NT	2.80	0.001	PASS
Band41	5	39675	25	#0	16QAM	HV	NT	-3.99	-0.002	PASS
Band41	5	40620	25	#0	QPSK	LV	NT	-19.66	-0.008	PASS
Band41	5	40620	25	#0	QPSK	NV	NT	-19.76	-0.008	PASS
Band41	5	40620	25	#0	QPSK	HV	NT	-27.49	-0.011	PASS
Band41	5	40620	25	#0	16QAM	LV	NT	-35.95	-0.014	PASS
Band41	5	40620	25	#0	16QAM	NV	NT	-42.50	-0.016	PASS
Band41	5	40620	25	#0	16QAM	HV	NT	-47.92	-0.018	PASS
Band41	5	41565	25	#0	QPSK	LV	NT	-11.36	-0.004	PASS
Band41	5	41565	25	#0	QPSK	NV	NT	-23.93	-0.009	PASS
Band41	5	41565	25	#0	QPSK	HV	NT	-28.47	-0.011	PASS
Band41	5	41565	25	#0	16QAM	LV	NT	-29.30	-0.011	PASS
Band41	5	41565	25	#0	16QAM	NV	NT	-35.59	-0.013	PASS
Band41	5	41565	25	#0	16QAM	HV	NT	-35.69	-0.013	PASS
Band41	10	39700	50	#0	QPSK	LV	NT	26.79	0.011	PASS
Band41	10	39700	50	#0	QPSK	NV	NT	30.08	0.012	PASS
Band41	10	39700	50	#0	QPSK	HV	NT	28.97	0.012	PASS
Band41	10	39700	50	#0	16QAM	LV	NT	31.79	0.013	PASS
Band41	10	39700	50	#0	16QAM	NV	NT	30.53	0.012	PASS
Band41	10	39700	50	#0	16QAM	HV	NT	25.43	0.010	PASS
Band41	10	40620	50	#0	QPSK	LV	NT	-19.17	-0.007	PASS
Band41	10	40620	50	#0	QPSK	NV	NT	-21.16	-0.008	PASS
Band41	10	40620	50	#0	QPSK	HV	NT	-30.57	-0.012	PASS
Band41	10	40620	50	#0	16QAM	LV	NT	-37.67	-0.015	PASS
Band41	10	40620	50	#0	16QAM	NV	NT	-43.12	-0.017	PASS
Band41	10	40620	50	#0	16QAM	HV	NT	-50.70	-0.020	PASS
Band41	10	41540	50	#0	QPSK	LV	NT	-24.56	-0.009	PASS
Band41	10	41540	50	#0	QPSK	NV	NT	-37.64	-0.014	PASS
Band41	10	41540	50	#0	QPSK	HV	NT	-41.61	-0.015	PASS
Band41	10	41540	50	#0	16QAM	LV	NT	-43.32	-0.016	PASS
Band41	10	41540	50	#0	16QAM	NV	NT	-44.13	-0.016	PASS
Band41	10	41540	50	#0	16QAM	HV	NT	-48.31	-0.018	PASS
Band41	15	39725	75	#0	QPSK	LV	NT	41.16	0.016	PASS
Band41	15	39725	75	#0	QPSK	NV	NT	17.70	0.007	PASS

Band41	15	39725	75	#0	QPSK	HV	NT	-2.99	-0.001	PASS
Band41	15	39725	75	#0	16QAM	LV	NT	-5.18	-0.002	PASS
Band41	15	39725	75	#0	16QAM	NV	NT	-8.14	-0.003	PASS
Band41	15	39725	75	#0	16QAM	HV	NT	-5.66	-0.002	PASS
Band41	15	40620	75	#0	QPSK	LV	NT	8.45	0.003	PASS
Band41	15	40620	75	#0	QPSK	NV	NT	-0.53	0.000	PASS
Band41	15	40620	75	#0	QPSK	HV	NT	-10.34	-0.004	PASS
Band41	15	40620	75	#0	16QAM	LV	NT	-23.89	-0.009	PASS
Band41	15	40620	75	#0	16QAM	NV	NT	-35.78	-0.014	PASS
Band41	15	40620	75	#0	16QAM	HV	NT	-34.36	-0.013	PASS
Band41	15	41515	75	#0	QPSK	LV	NT	-19.30	-0.007	PASS
Band41	15	41515	75	#0	QPSK	NV	NT	-24.43	-0.009	PASS
Band41	15	41515	75	#0	QPSK	HV	NT	-27.84	-0.010	PASS
Band41	15	41515	75	#0	16QAM	LV	NT	-28.91	-0.011	PASS
Band41	15	41515	75	#0	16QAM	NV	NT	-27.82	-0.010	PASS
Band41	15	41515	75	#0	16QAM	HV	NT	-33.89	-0.013	PASS
Band41	20	39750	100	#0	QPSK	LV	NT	34.25	0.014	PASS
Band41	20	39750	100	#0	QPSK	NV	NT	41.10	0.016	PASS
Band41	20	39750	100	#0	QPSK	HV	NT	38.61	0.015	PASS
Band41	20	39750	100	#0	16QAM	LV	NT	37.42	0.015	PASS
Band41	20	39750	100	#0	16QAM	NV	NT	33.45	0.013	PASS
Band41	20	39750	100	#0	16QAM	HV	NT	28.95	0.012	PASS
Band41	20	40620	100	#0	QPSK	LV	NT	-10.49	-0.004	PASS
Band41	20	40620	100	#0	QPSK	NV	NT	-27.84	-0.011	PASS
Band41	20	40620	100	#0	QPSK	HV	NT	-42.77	-0.016	PASS
Band41	20	40620	100	#0	16QAM	LV	NT	-25.25	-0.010	PASS
Band41	20	40620	100	#0	16QAM	NV	NT	-42.44	-0.016	PASS
Band41	20	40620	100	#0	16QAM	HV	NT	4.96	0.002	PASS
Band41	20	41490	100	#0	QPSK	LV	NT	-43.02	-0.016	PASS
Band41	20	41490	100	#0	QPSK	NV	NT	-19.17	-0.007	PASS
Band41	20	41490	100	#0	QPSK	HV	NT	-7.80	-0.003	PASS
Band41	20	41490	100	#0	16QAM	LV	NT	-16.84	-0.006	PASS
Band41	20	41490	100	#0	16QAM	NV	NT	-19.87	-0.007	PASS
Band41	20	41490	100	#0	16QAM	HV	NT	-19.64	-0.007	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	39675	25	#0	QPSK	NV	-30	-13.36	-0.005	PASS
Band41	5	39675	25	#0	QPSK	NV	-20	-7.24	-0.003	PASS
Band41	5	39675	25	#0	QPSK	NV	-10	-11.90	-0.005	PASS
Band41	5	39675	25	#0	QPSK	NV	0	-14.72	-0.006	PASS
Band41	5	39675	25	#0	QPSK	NV	10	-12.82	-0.005	PASS

Band41	5	39675	25	#0	QPSK	NV	20	-18.31	-0.007	PASS
Band41	5	39675	25	#0	QPSK	NV	30	-25.18	-0.010	PASS
Band41	5	39675	25	#0	QPSK	NV	40	-33.40	-0.013	PASS
Band41	5	39675	25	#0	QPSK	NV	50	-34.82	-0.014	PASS
Band41	5	39675	25	#0	16QAM	NV	-30	-43.56	-0.017	PASS
Band41	5	39675	25	#0	16QAM	NV	-20	-45.35	-0.018	PASS
Band41	5	39675	25	#0	16QAM	NV	-10	9.54	0.004	PASS
Band41	5	39675	25	#0	16QAM	NV	0	7.84	0.003	PASS
Band41	5	39675	25	#0	16QAM	NV	10	3.35	0.001	PASS
Band41	5	39675	25	#0	16QAM	NV	20	10.06	0.004	PASS
Band41	5	39675	25	#0	16QAM	NV	30	11.47	0.005	PASS
Band41	5	39675	25	#0	16QAM	NV	40	14.92	0.006	PASS
Band41	5	39675	25	#0	16QAM	NV	50	13.93	0.006	PASS
Band41	5	40620	25	#0	QPSK	NV	-30	5.68	0.002	PASS
Band41	5	40620	25	#0	QPSK	NV	-20	4.15	0.002	PASS
Band41	5	40620	25	#0	QPSK	NV	-10	1.72	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	0	-3.43	-0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	10	2.76	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	20	1.40	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	30	2.70	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	40	3.03	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	50	3.81	0.001	PASS
Band41	5	40620	25	#0	16QAM	NV	-30	-3.98	-0.002	PASS
Band41	5	40620	25	#0	16QAM	NV	-20	-5.81	-0.002	PASS
Band41	5	40620	25	#0	16QAM	NV	-10	-7.98	-0.003	PASS
Band41	5	40620	25	#0	16QAM	NV	0	-8.74	-0.003	PASS
Band41	5	40620	25	#0	16QAM	NV	10	-0.72	0.000	PASS
Band41	5	40620	25	#0	16QAM	NV	20	-4.41	-0.002	PASS
Band41	5	40620	25	#0	16QAM	NV	30	7.04	0.003	PASS
Band41	5	40620	25	#0	16QAM	NV	40	8.91	0.003	PASS
Band41	5	40620	25	#0	16QAM	NV	50	9.80	0.004	PASS
Band41	5	41565	25	#0	QPSK	NV	-30	-23.85	-0.009	PASS
Band41	5	41565	25	#0	QPSK	NV	-20	-22.03	-0.008	PASS
Band41	5	41565	25	#0	QPSK	NV	-10	-16.64	-0.006	PASS
Band41	5	41565	25	#0	QPSK	NV	0	-13.73	-0.005	PASS
Band41	5	41565	25	#0	QPSK	NV	10	-11.27	-0.004	PASS
Band41	5	41565	25	#0	QPSK	NV	20	-11.17	-0.004	PASS
Band41	5	41565	25	#0	QPSK	NV	30	-10.81	-0.004	PASS
Band41	5	41565	25	#0	QPSK	NV	40	-3.75	-0.001	PASS
Band41	5	41565	25	#0	QPSK	NV	50	3.00	0.001	PASS
Band41	5	41565	25	#0	16QAM	NV	-30	7.94	0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	-20	7.55	0.003	PASS
Band41	5	41565	25	#0	16QAM	NV	-10	10.26	0.004	PASS

Band41	5	41565	25	#0	16QAM	NV	0	16.05	0.006	PASS
Band41	5	41565	25	#0	16QAM	NV	10	18.35	0.007	PASS
Band41	5	41565	25	#0	16QAM	NV	20	27.07	0.010	PASS
Band41	5	41565	25	#0	16QAM	NV	30	33.26	0.012	PASS
Band41	5	41565	25	#0	16QAM	NV	40	41.10	0.015	PASS
Band41	5	41565	25	#0	16QAM	NV	50	-11.59	-0.004	PASS
Band41	10	39700	50	#0	QPSK	NV	-30	40.25	0.016	PASS
Band41	10	39700	50	#0	QPSK	NV	-20	18.12	0.007	PASS
Band41	10	39700	50	#0	QPSK	NV	-10	28.51	0.011	PASS
Band41	10	39700	50	#0	QPSK	NV	0	34.59	0.014	PASS
Band41	10	39700	50	#0	QPSK	NV	10	44.50	0.018	PASS
Band41	10	39700	50	#0	QPSK	NV	20	-13.52	-0.005	PASS
Band41	10	39700	50	#0	QPSK	NV	30	-2.98	-0.001	PASS
Band41	10	39700	50	#0	QPSK	NV	40	5.41	0.002	PASS
Band41	10	39700	50	#0	QPSK	NV	50	7.28	0.003	PASS
Band41	10	39700	50	#0	16QAM	NV	-30	13.95	0.006	PASS
Band41	10	39700	50	#0	16QAM	NV	-20	18.57	0.007	PASS
Band41	10	39700	50	#0	16QAM	NV	-10	18.07	0.007	PASS
Band41	10	39700	50	#0	16QAM	NV	0	14.82	0.006	PASS
Band41	10	39700	50	#0	16QAM	NV	10	18.22	0.007	PASS
Band41	10	39700	50	#0	16QAM	NV	20	24.58	0.010	PASS
Band41	10	39700	50	#0	16QAM	NV	30	28.52	0.011	PASS
Band41	10	39700	50	#0	16QAM	NV	40	32.00	0.013	PASS
Band41	10	39700	50	#0	16QAM	NV	50	29.75	0.012	PASS
Band41	10	40620	50	#0	QPSK	NV	-30	1.75	0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	-20	-1.30	-0.001	PASS
Band41	10	40620	50	#0	QPSK	NV	-10	-0.76	0.000	PASS
Band41	10	40620	50	#0	QPSK	NV	0	-4.52	-0.002	PASS
Band41	10	40620	50	#0	QPSK	NV	10	-12.12	-0.005	PASS
Band41	10	40620	50	#0	QPSK	NV	20	-18.25	-0.007	PASS
Band41	10	40620	50	#0	QPSK	NV	30	-15.54	-0.006	PASS
Band41	10	40620	50	#0	QPSK	NV	40	-30.37	-0.012	PASS
Band41	10	40620	50	#0	QPSK	NV	50	-37.35	-0.014	PASS
Band41	10	40620	50	#0	16QAM	NV	-30	-46.94	-0.018	PASS
Band41	10	40620	50	#0	16QAM	NV	-20	-18.65	-0.007	PASS
Band41	10	40620	50	#0	16QAM	NV	-10	-24.65	-0.010	PASS
Band41	10	40620	50	#0	16QAM	NV	0	-29.30	-0.011	PASS
Band41	10	40620	50	#0	16QAM	NV	10	-27.34	-0.011	PASS
Band41	10	40620	50	#0	16QAM	NV	20	-26.82	-0.010	PASS
Band41	10	40620	50	#0	16QAM	NV	30	-29.34	-0.011	PASS
Band41	10	40620	50	#0	16QAM	NV	40	-24.95	-0.010	PASS
Band41	10	40620	50	#0	16QAM	NV	50	-25.95	-0.010	PASS
Band41	10	41540	50	#0	QPSK	NV	-30	-26.31	-0.010	PASS

Band41	10	41540	50	#0	QPSK	NV	-20	-28.41	-0.011	PASS
Band41	10	41540	50	#0	QPSK	NV	-10	-29.67	-0.011	PASS
Band41	10	41540	50	#0	QPSK	NV	0	-27.69	-0.010	PASS
Band41	10	41540	50	#0	QPSK	NV	10	-25.31	-0.009	PASS
Band41	10	41540	50	#0	QPSK	NV	20	-23.36	-0.009	PASS
Band41	10	41540	50	#0	QPSK	NV	30	-19.44	-0.007	PASS
Band41	10	41540	50	#0	QPSK	NV	40	-8.67	-0.003	PASS
Band41	10	41540	50	#0	QPSK	NV	50	-2.06	-0.001	PASS
Band41	10	41540	50	#0	16QAM	NV	-30	7.47	0.003	PASS
Band41	10	41540	50	#0	16QAM	NV	-20	16.42	0.006	PASS
Band41	10	41540	50	#0	16QAM	NV	-10	28.21	0.011	PASS
Band41	10	41540	50	#0	16QAM	NV	0	34.72	0.013	PASS
Band41	10	41540	50	#0	16QAM	NV	10	39.32	0.015	PASS
Band41	10	41540	50	#0	16QAM	NV	20	41.60	0.015	PASS
Band41	10	41540	50	#0	16QAM	NV	30	14.26	0.005	PASS
Band41	10	41540	50	#0	16QAM	NV	40	21.13	0.008	PASS
Band41	10	41540	50	#0	16QAM	NV	50	31.71	0.012	PASS
Band41	15	39725	75	#0	QPSK	NV	-30	19.53	0.008	PASS
Band41	15	39725	75	#0	QPSK	NV	-20	0.94	0.000	PASS
Band41	15	39725	75	#0	QPSK	NV	-10	12.17	0.005	PASS
Band41	15	39725	75	#0	QPSK	NV	0	24.43	0.010	PASS
Band41	15	39725	75	#0	QPSK	NV	10	31.11	0.012	PASS
Band41	15	39725	75	#0	QPSK	NV	20	28.14	0.011	PASS
Band41	15	39725	75	#0	QPSK	NV	30	30.21	0.012	PASS
Band41	15	39725	75	#0	QPSK	NV	40	26.69	0.011	PASS
Band41	15	39725	75	#0	QPSK	NV	50	25.35	0.010	PASS
Band41	15	39725	75	#0	16QAM	NV	-30	17.37	0.007	PASS
Band41	15	39725	75	#0	16QAM	NV	-20	15.99	0.006	PASS
Band41	15	39725	75	#0	16QAM	NV	-10	9.43	0.004	PASS
Band41	15	39725	75	#0	16QAM	NV	0	9.04	0.004	PASS
Band41	15	39725	75	#0	16QAM	NV	10	1.72	0.001	PASS
Band41	15	39725	75	#0	16QAM	NV	20	3.99	0.002	PASS
Band41	15	39725	75	#0	16QAM	NV	30	7.61	0.003	PASS
Band41	15	39725	75	#0	16QAM	NV	40	10.91	0.004	PASS
Band41	15	39725	75	#0	16QAM	NV	50	16.92	0.007	PASS
Band41	15	40620	75	#0	QPSK	NV	-30	4.06	0.002	PASS
Band41	15	40620	75	#0	QPSK	NV	-20	-5.81	-0.002	PASS
Band41	15	40620	75	#0	QPSK	NV	-10	-19.35	-0.007	PASS
Band41	15	40620	75	#0	QPSK	NV	0	-35.49	-0.014	PASS
Band41	15	40620	75	#0	QPSK	NV	10	-10.91	-0.004	PASS
Band41	15	40620	75	#0	QPSK	NV	20	-10.56	-0.004	PASS
Band41	15	40620	75	#0	QPSK	NV	30	-27.62	-0.011	PASS
Band41	15	40620	75	#0	QPSK	NV	40	-39.75	-0.015	PASS

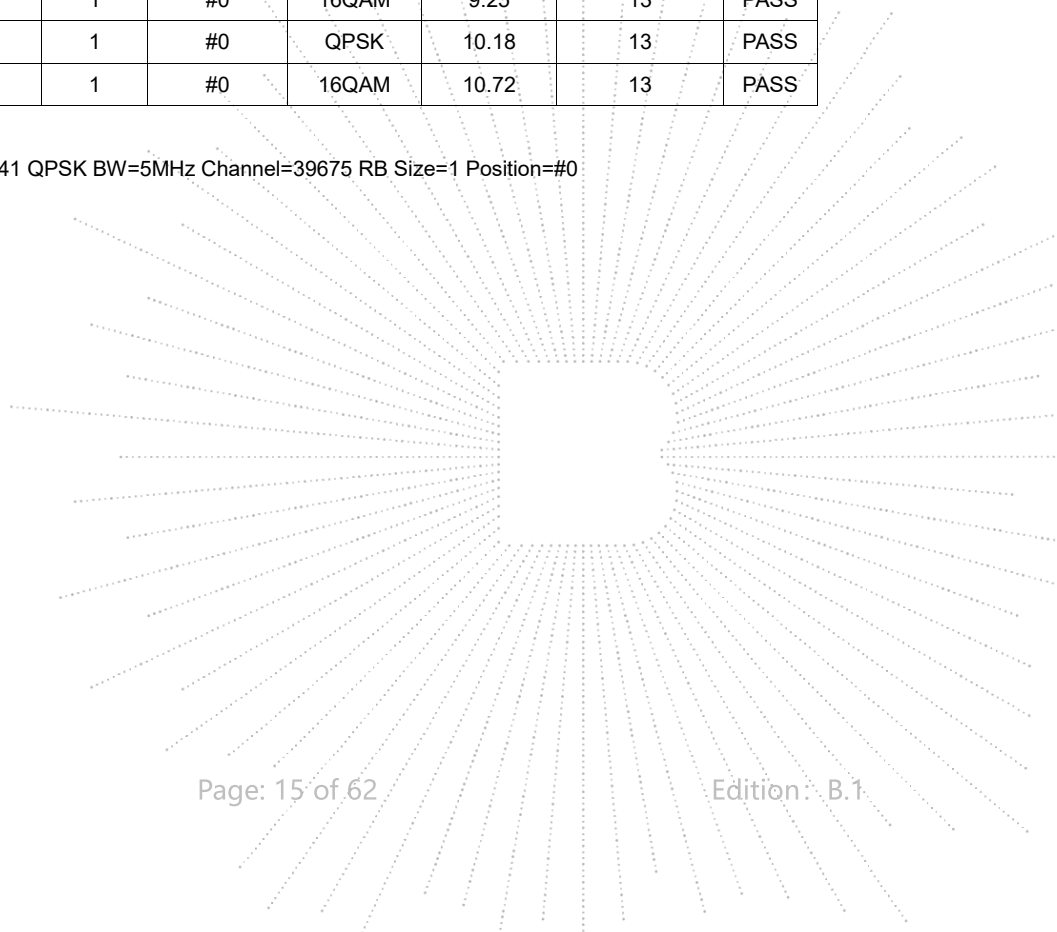
Band41	15	40620	75	#0	QPSK	NV	50	-24.55	-0.009	PASS
Band41	15	40620	75	#0	16QAM	NV	-30	-29.45	-0.011	PASS
Band41	15	40620	75	#0	16QAM	NV	-20	-37.29	-0.014	PASS
Band41	15	40620	75	#0	16QAM	NV	-10	-38.88	-0.015	PASS
Band41	15	40620	75	#0	16QAM	NV	0	-42.11	-0.016	PASS
Band41	15	40620	75	#0	16QAM	NV	10	-39.60	-0.015	PASS
Band41	15	40620	75	#0	16QAM	NV	20	-7.14	-0.003	PASS
Band41	15	40620	75	#0	16QAM	NV	30	-11.52	-0.004	PASS
Band41	15	40620	75	#0	16QAM	NV	40	-13.78	-0.005	PASS
Band41	15	40620	75	#0	16QAM	NV	50	-16.72	-0.006	PASS
Band41	15	41515	75	#0	QPSK	NV	-30	-24.48	-0.009	PASS
Band41	15	41515	75	#0	QPSK	NV	-20	-14.02	-0.005	PASS
Band41	15	41515	75	#0	QPSK	NV	-10	-1.23	0.000	PASS
Band41	15	41515	75	#0	QPSK	NV	0	10.40	0.004	PASS
Band41	15	41515	75	#0	QPSK	NV	10	19.63	0.007	PASS
Band41	15	41515	75	#0	QPSK	NV	20	31.86	0.012	PASS
Band41	15	41515	75	#0	QPSK	NV	30	38.28	0.014	PASS
Band41	15	41515	75	#0	QPSK	NV	40	19.11	0.007	PASS
Band41	15	41515	75	#0	QPSK	NV	50	23.17	0.009	PASS
Band41	15	41515	75	#0	16QAM	NV	-30	32.97	0.012	PASS
Band41	15	41515	75	#0	16QAM	NV	-20	17.18	0.006	PASS
Band41	15	41515	75	#0	16QAM	NV	-10	-3.69	-0.001	PASS
Band41	15	41515	75	#0	16QAM	NV	0	9.67	0.004	PASS
Band41	15	41515	75	#0	16QAM	NV	10	20.17	0.008	PASS
Band41	15	41515	75	#0	16QAM	NV	20	28.30	0.011	PASS
Band41	15	41515	75	#0	16QAM	NV	30	38.04	0.014	PASS
Band41	15	41515	75	#0	16QAM	NV	40	40.41	0.015	PASS
Band41	15	41515	75	#0	16QAM	NV	50	15.54	0.006	PASS
Band41	20	39750	100	#0	QPSK	NV	-30	34.45	0.014	PASS
Band41	20	39750	100	#0	QPSK	NV	-20	31.17	0.012	PASS
Band41	20	39750	100	#0	QPSK	NV	-10	-10.93	-0.004	PASS
Band41	20	39750	100	#0	QPSK	NV	0	-15.66	-0.006	PASS
Band41	20	39750	100	#0	QPSK	NV	10	-21.80	-0.009	PASS
Band41	20	39750	100	#0	QPSK	NV	20	-30.20	-0.012	PASS
Band41	20	39750	100	#0	QPSK	NV	30	-35.58	-0.014	PASS
Band41	20	39750	100	#0	QPSK	NV	40	-39.02	-0.016	PASS
Band41	20	39750	100	#0	QPSK	NV	50	-47.32	-0.019	PASS
Band41	20	39750	100	#0	16QAM	NV	-30	8.08	0.003	PASS
Band41	20	39750	100	#0	16QAM	NV	-20	-3.52	-0.001	PASS
Band41	20	39750	100	#0	16QAM	NV	-10	-6.15	-0.002	PASS
Band41	20	39750	100	#0	16QAM	NV	0	-10.27	-0.004	PASS
Band41	20	39750	100	#0	16QAM	NV	10	-16.24	-0.006	PASS
Band41	20	39750	100	#0	16QAM	NV	20	-21.33	-0.009	PASS

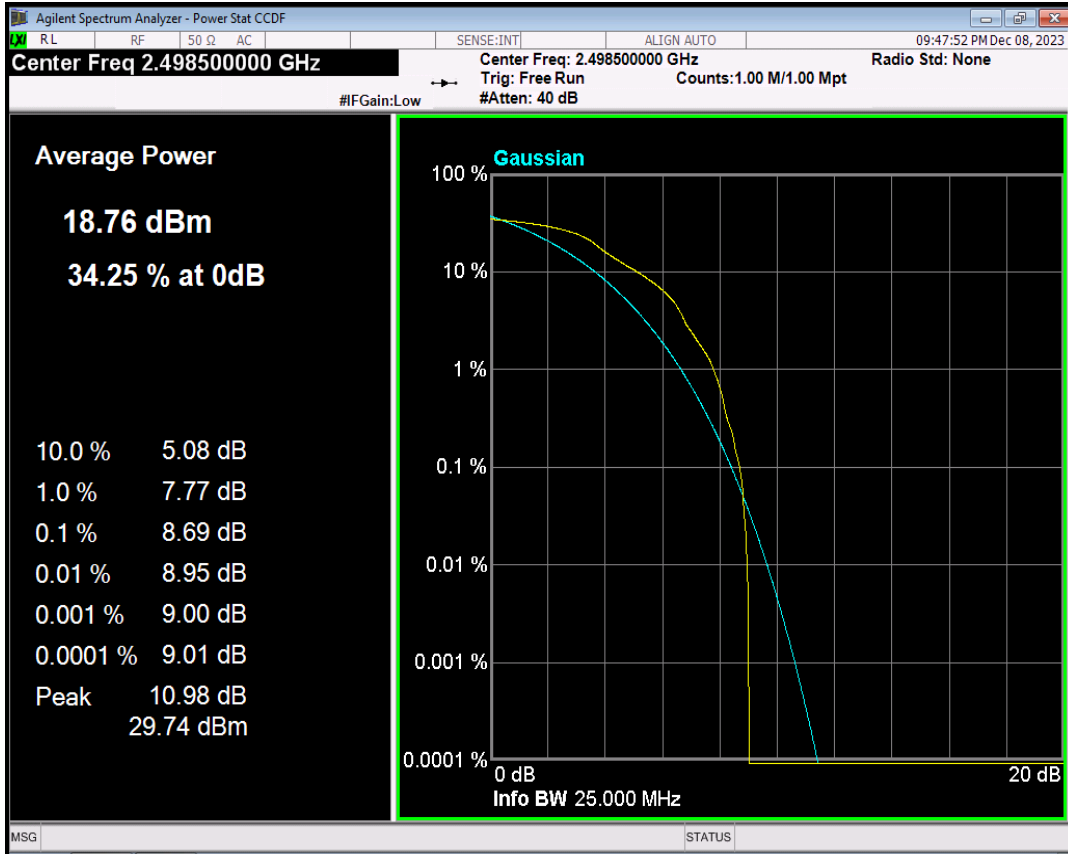
Band41	20	39750	100	#0	16QAM	NV	30	-33.62	-0.013	PASS
Band41	20	39750	100	#0	16QAM	NV	40	-34.83	-0.014	PASS
Band41	20	39750	100	#0	16QAM	NV	50	-40.04	-0.016	PASS
Band41	20	40620	100	#0	QPSK	NV	-30	-14.78	-0.006	PASS
Band41	20	40620	100	#0	QPSK	NV	-20	-19.17	-0.007	PASS
Band41	20	40620	100	#0	QPSK	NV	-10	-30.57	-0.012	PASS
Band41	20	40620	100	#0	QPSK	NV	0	-37.09	-0.014	PASS
Band41	20	40620	100	#0	QPSK	NV	10	-9.27	-0.004	PASS
Band41	20	40620	100	#0	QPSK	NV	20	-26.21	-0.010	PASS
Band41	20	40620	100	#0	QPSK	NV	30	-42.89	-0.017	PASS
Band41	20	40620	100	#0	QPSK	NV	40	7.62	0.003	PASS
Band41	20	40620	100	#0	QPSK	NV	50	3.36	0.001	PASS
Band41	20	40620	100	#0	16QAM	NV	-30	-7.72	-0.003	PASS
Band41	20	40620	100	#0	16QAM	NV	-20	-8.87	-0.003	PASS
Band41	20	40620	100	#0	16QAM	NV	-10	-16.22	-0.006	PASS
Band41	20	40620	100	#0	16QAM	NV	0	-17.27	-0.007	PASS
Band41	20	40620	100	#0	16QAM	NV	10	-18.83	-0.007	PASS
Band41	20	40620	100	#0	16QAM	NV	20	-24.40	-0.009	PASS
Band41	20	40620	100	#0	16QAM	NV	30	-26.55	-0.010	PASS
Band41	20	40620	100	#0	16QAM	NV	40	-24.26	-0.009	PASS
Band41	20	40620	100	#0	16QAM	NV	50	-15.38	-0.006	PASS
Band41	20	41490	100	#0	QPSK	NV	-30	-18.88	-0.007	PASS
Band41	20	41490	100	#0	QPSK	NV	-20	-2.90	-0.001	PASS
Band41	20	41490	100	#0	QPSK	NV	-10	10.19	0.004	PASS
Band41	20	41490	100	#0	QPSK	NV	0	17.68	0.007	PASS
Band41	20	41490	100	#0	QPSK	NV	10	23.29	0.009	PASS
Band41	20	41490	100	#0	QPSK	NV	20	34.17	0.013	PASS
Band41	20	41490	100	#0	QPSK	NV	30	41.96	0.016	PASS
Band41	20	41490	100	#0	QPSK	NV	40	15.85	0.006	PASS
Band41	20	41490	100	#0	QPSK	NV	50	25.38	0.009	PASS
Band41	20	41490	100	#0	16QAM	NV	-30	30.67	0.011	PASS
Band41	20	41490	100	#0	16QAM	NV	-20	37.71	0.014	PASS
Band41	20	41490	100	#0	16QAM	NV	-10	-7.91	-0.003	PASS
Band41	20	41490	100	#0	16QAM	NV	0	1.20	0.000	PASS
Band41	20	41490	100	#0	16QAM	NV	10	15.94	0.006	PASS
Band41	20	41490	100	#0	16QAM	NV	20	28.28	0.011	PASS
Band41	20	41490	100	#0	16QAM	NV	30	39.37	0.015	PASS
Band41	20	41490	100	#0	16QAM	NV	40	22.29	0.008	PASS
Band41	20	41490	100	#0	16QAM	NV	50	33.60	0.013	PASS

Appendix 3. Peak-to-Average Ratio

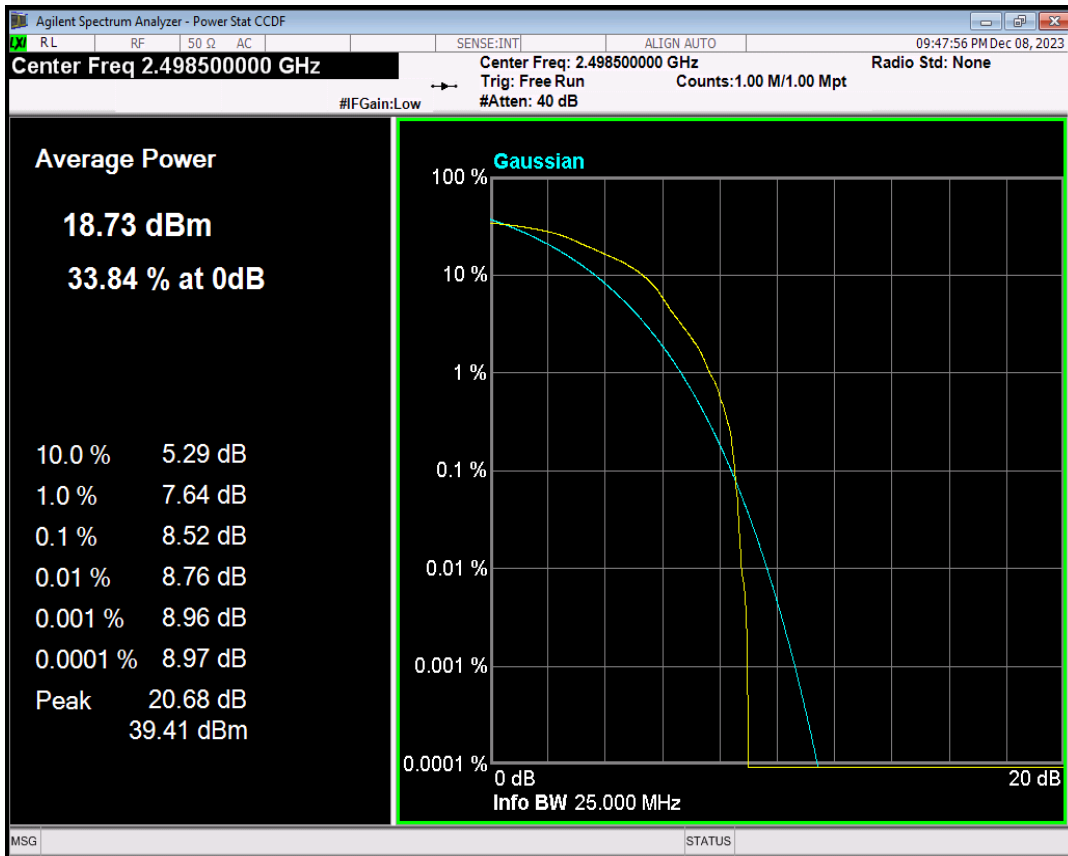
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	39675	1	#0	QPSK	8.69	13	PASS
Band41	5	39675	1	#0	16QAM	8.52	13	PASS
Band41	5	40620	1	#0	QPSK	9.33	13	PASS
Band41	5	40620	1	#0	16QAM	9.39	13	PASS
Band41	5	41565	1	#0	QPSK	11.23	13	PASS
Band41	5	41565	1	#0	16QAM	8.73	13	PASS
Band41	10	39700	1	#0	QPSK	7.49	13	PASS
Band41	10	39700	1	#0	16QAM	10.05	13	PASS
Band41	10	40620	1	#0	QPSK	9.61	13	PASS
Band41	10	40620	1	#0	16QAM	10.64	13	PASS
Band41	10	41540	1	#0	QPSK	8.77	13	PASS
Band41	10	41540	1	#0	16QAM	11.30	13	PASS
Band41	15	39725	1	#0	QPSK	9.74	13	PASS
Band41	15	39725	1	#0	16QAM	10.30	13	PASS
Band41	15	40620	1	#0	QPSK	8.43	13	PASS
Band41	15	40620	1	#0	16QAM	10.29	13	PASS
Band41	15	41515	1	#0	QPSK	8.37	13	PASS
Band41	15	41515	1	#0	16QAM	9.88	13	PASS
Band41	20	39750	1	#0	QPSK	7.47	13	PASS
Band41	20	39750	1	#0	16QAM	9.41	13	PASS
Band41	20	40620	1	#0	QPSK	10.53	13	PASS
Band41	20	40620	1	#0	16QAM	9.25	13	PASS
Band41	20	41490	1	#0	QPSK	10.18	13	PASS
Band41	20	41490	1	#0	16QAM	10.72	13	PASS

Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0

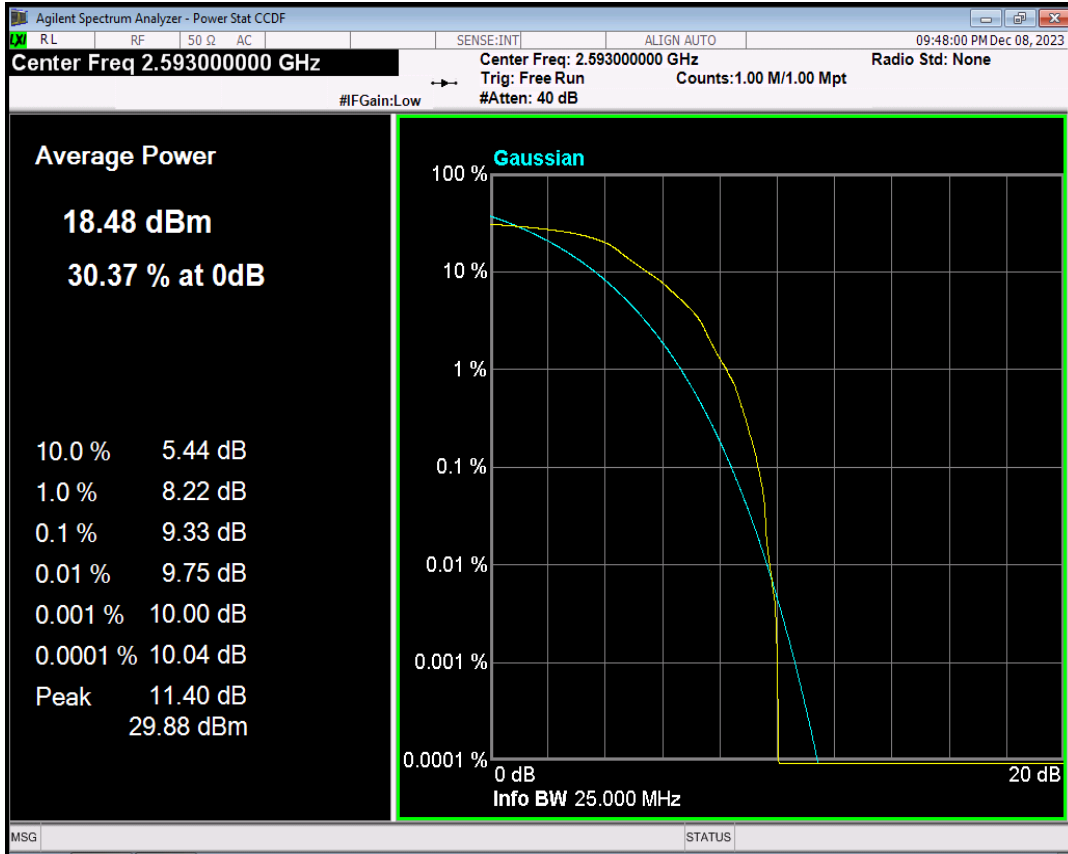




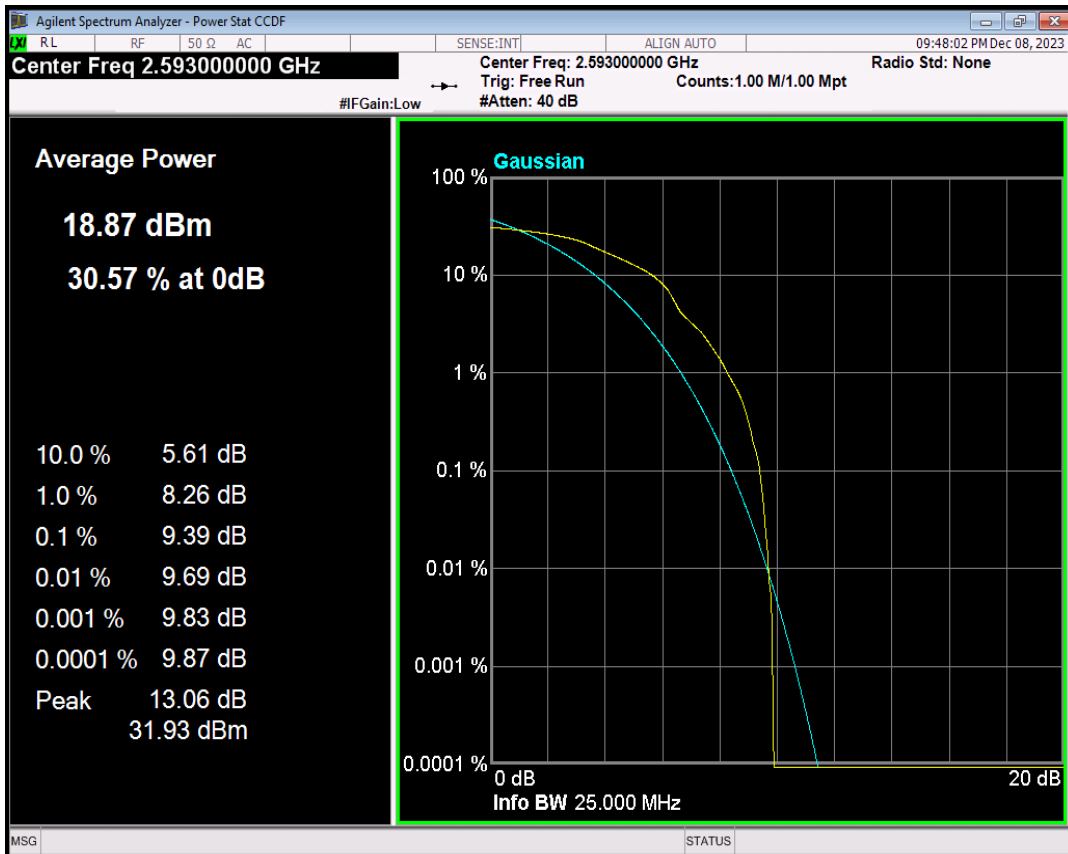
Band41 16QAM BW=5MHz Channel=39675 RB Size=1 Position=#0



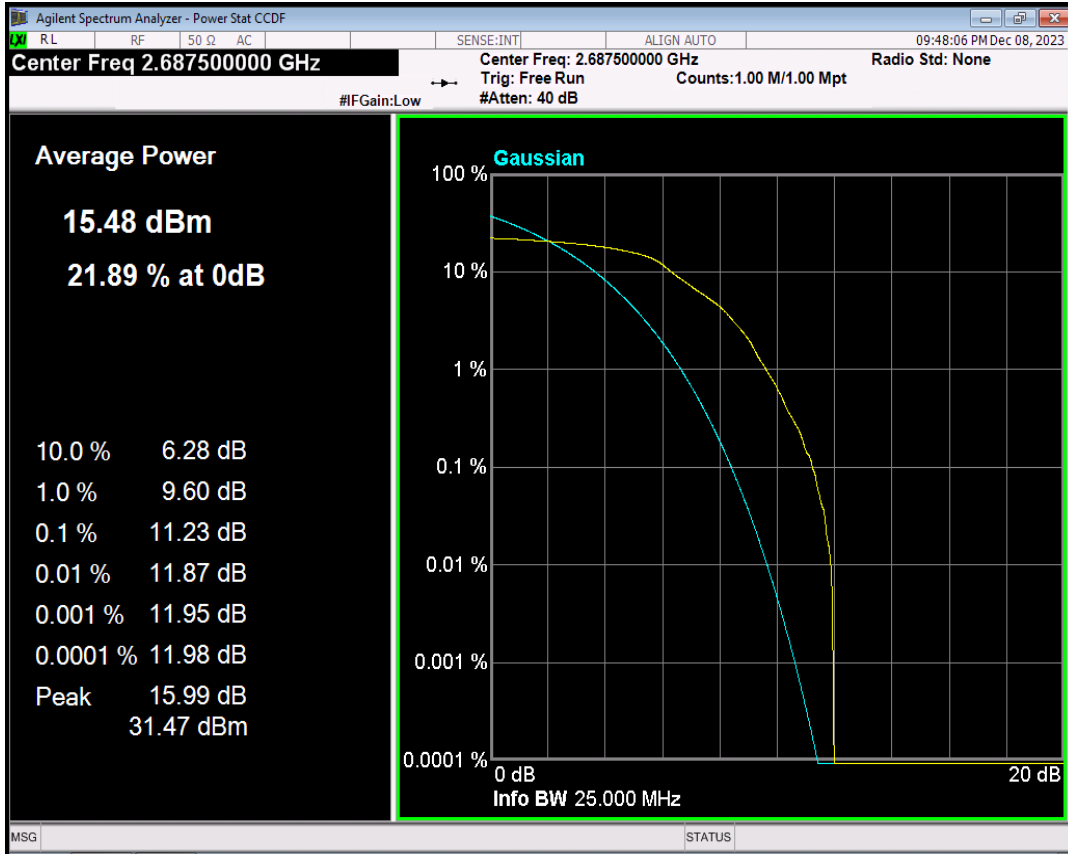
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



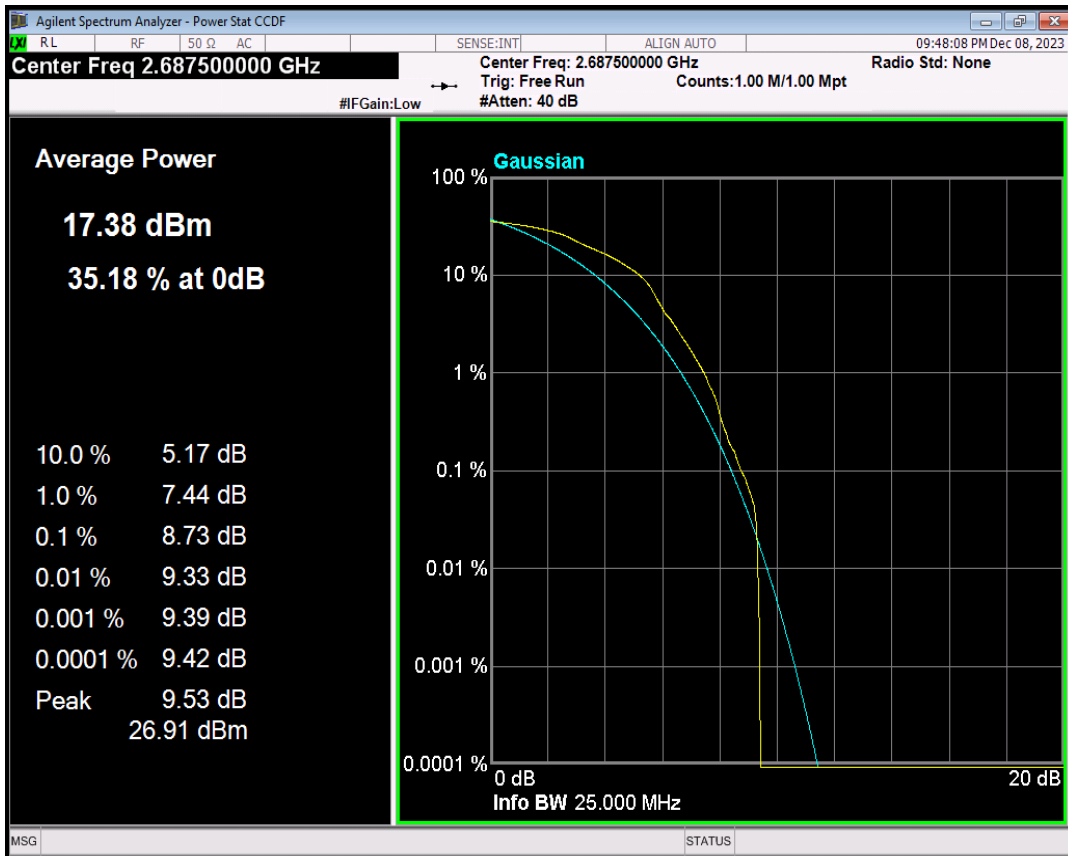
Band41 16QAM BW=5MHz Channel=40620 RB Size=1 Position=#0



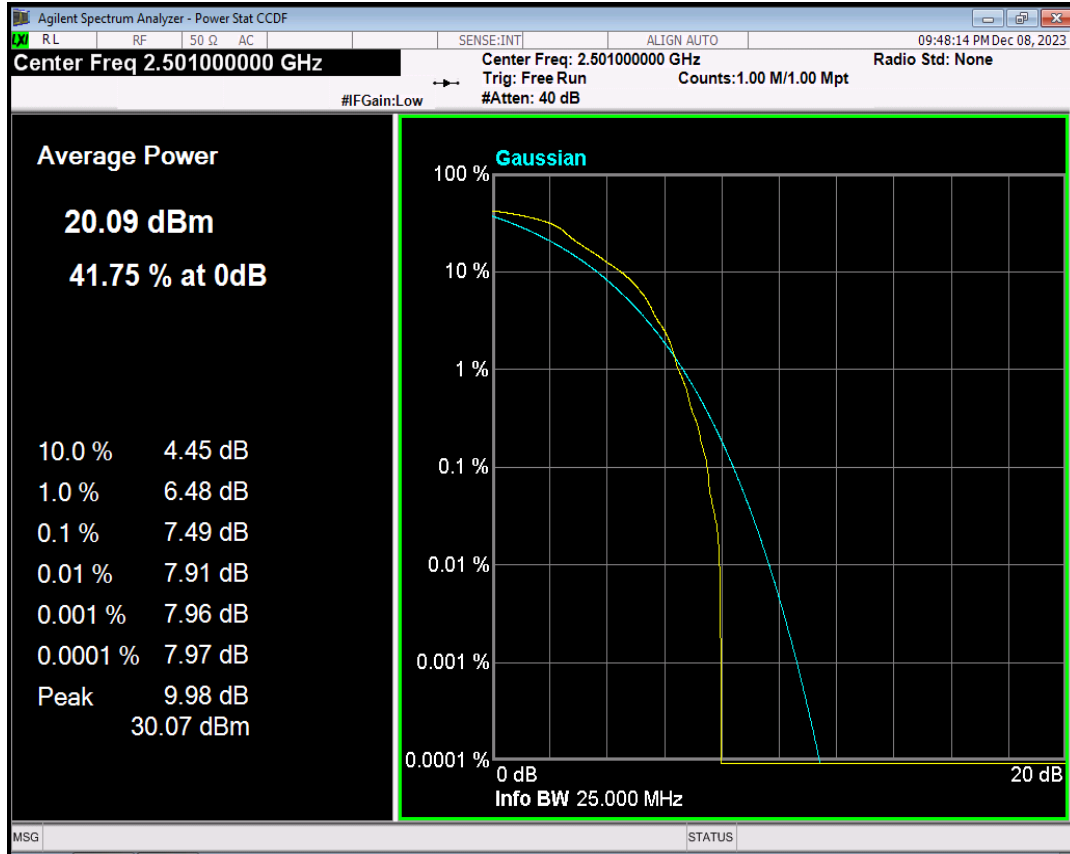
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0



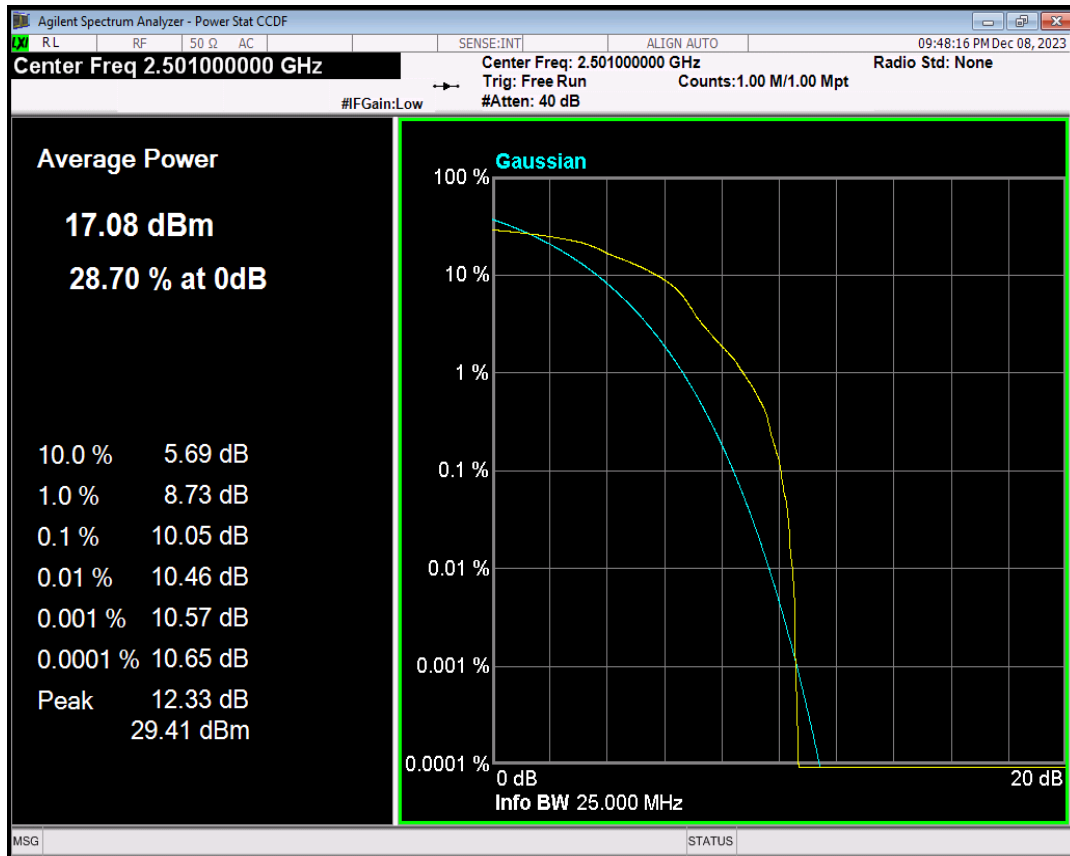
Band41 16QAM BW=5MHz Channel=41565 RB Size=1 Position=#0



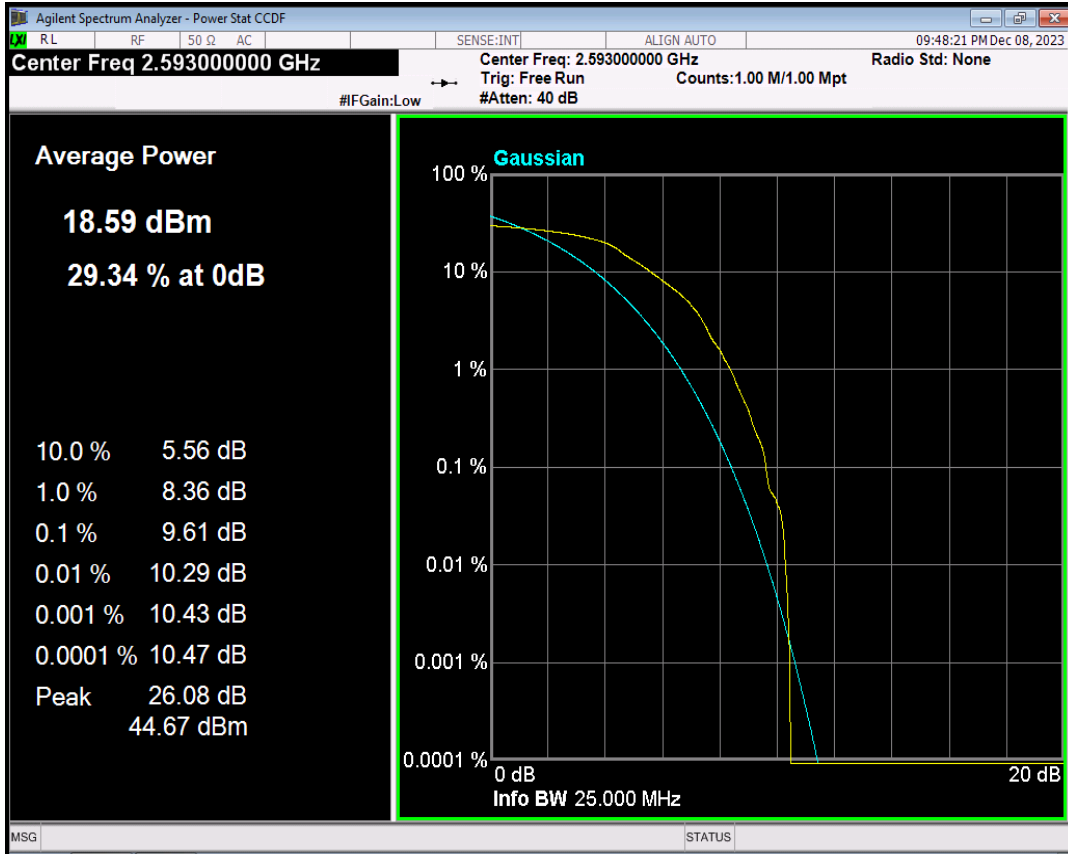
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0



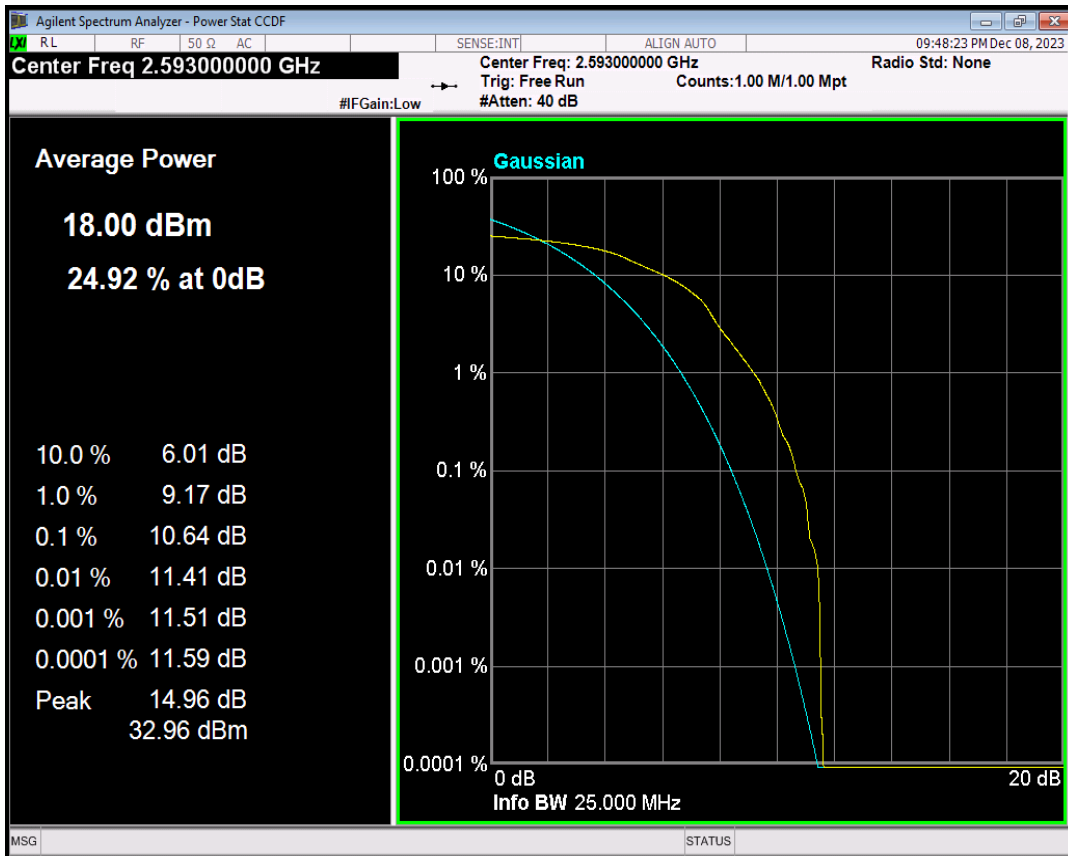
Band41 16QAM BW=10MHz Channel=39700 RB Size=1 Position=#0



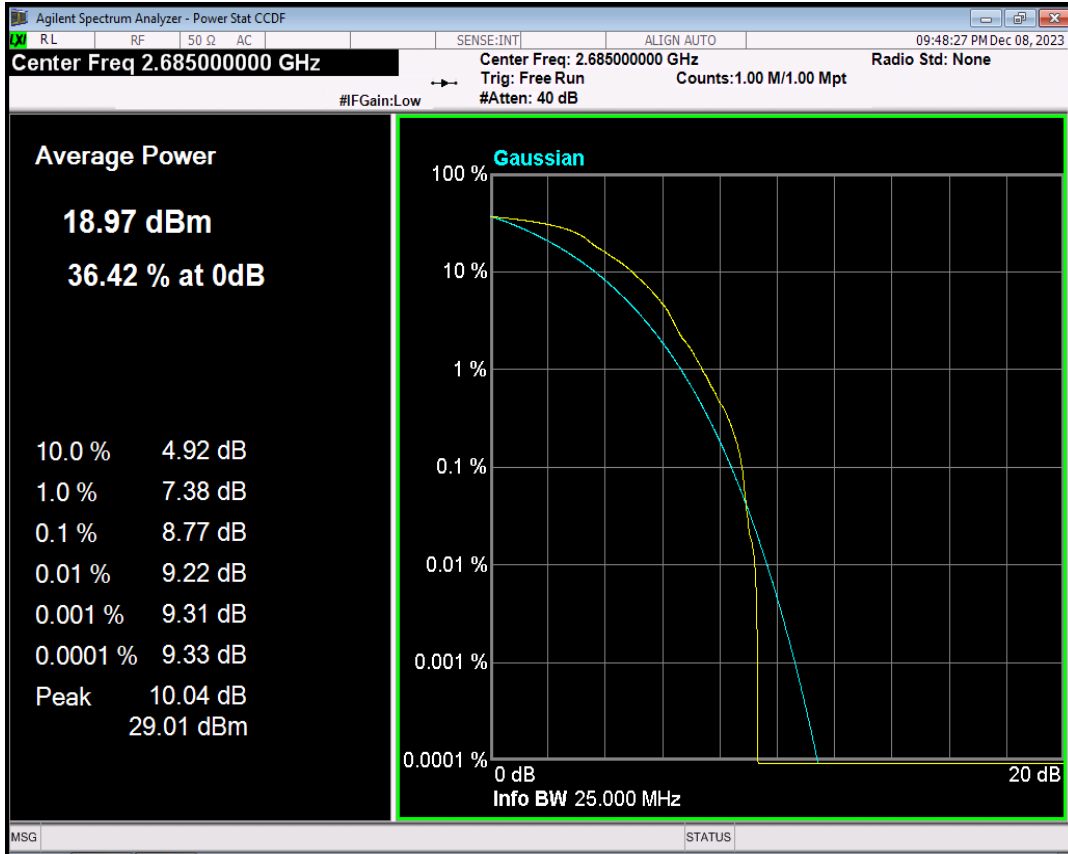
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



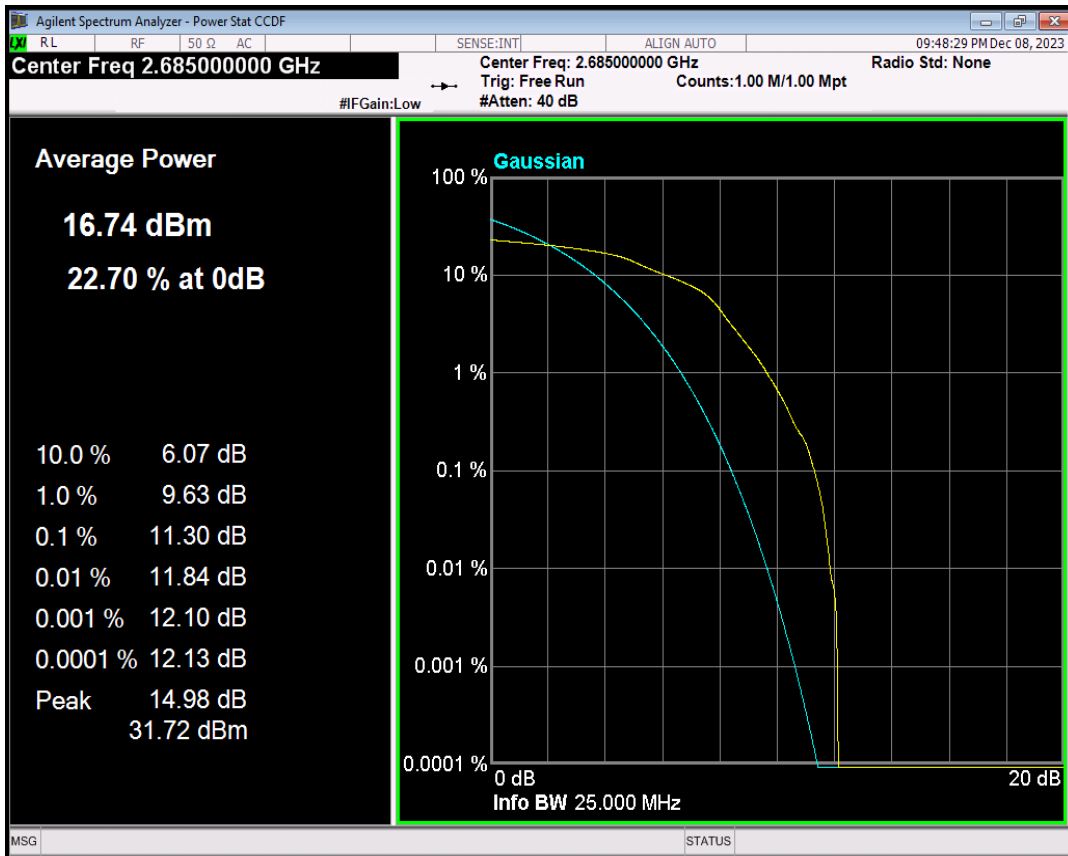
Band41 16QAM BW=10MHz Channel=40620 RB Size=1 Position=#0



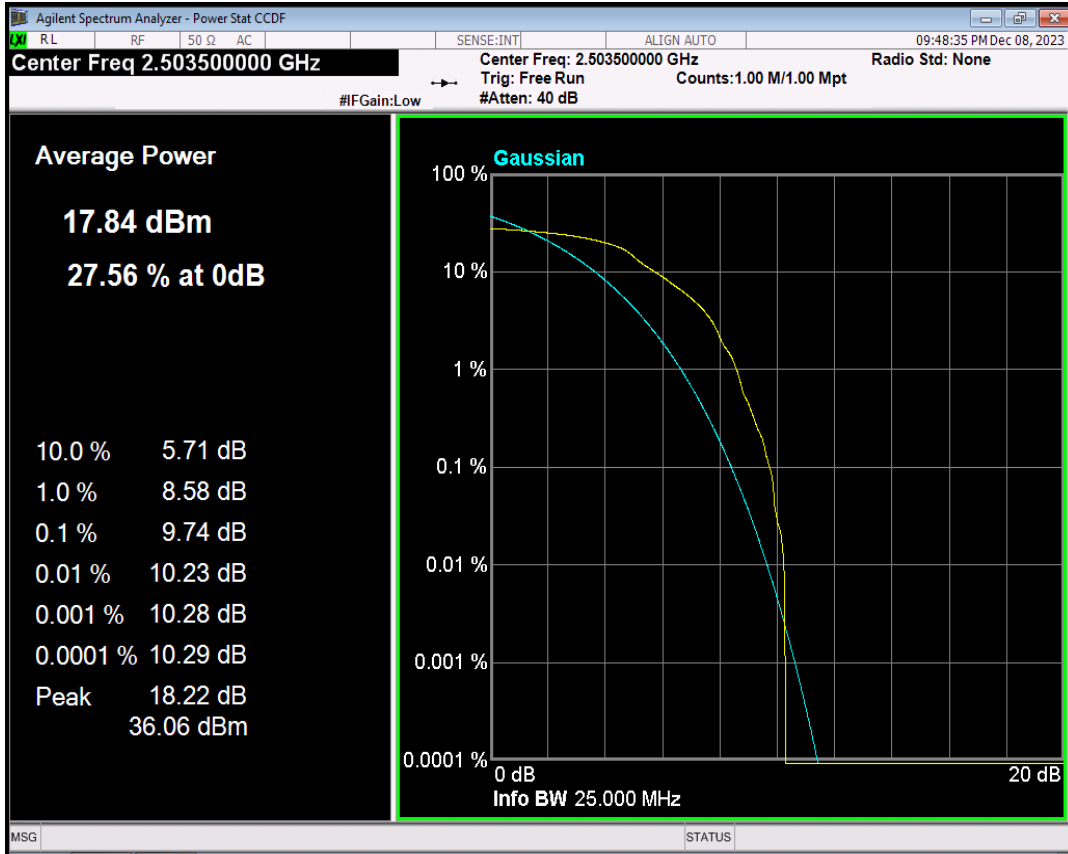
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0



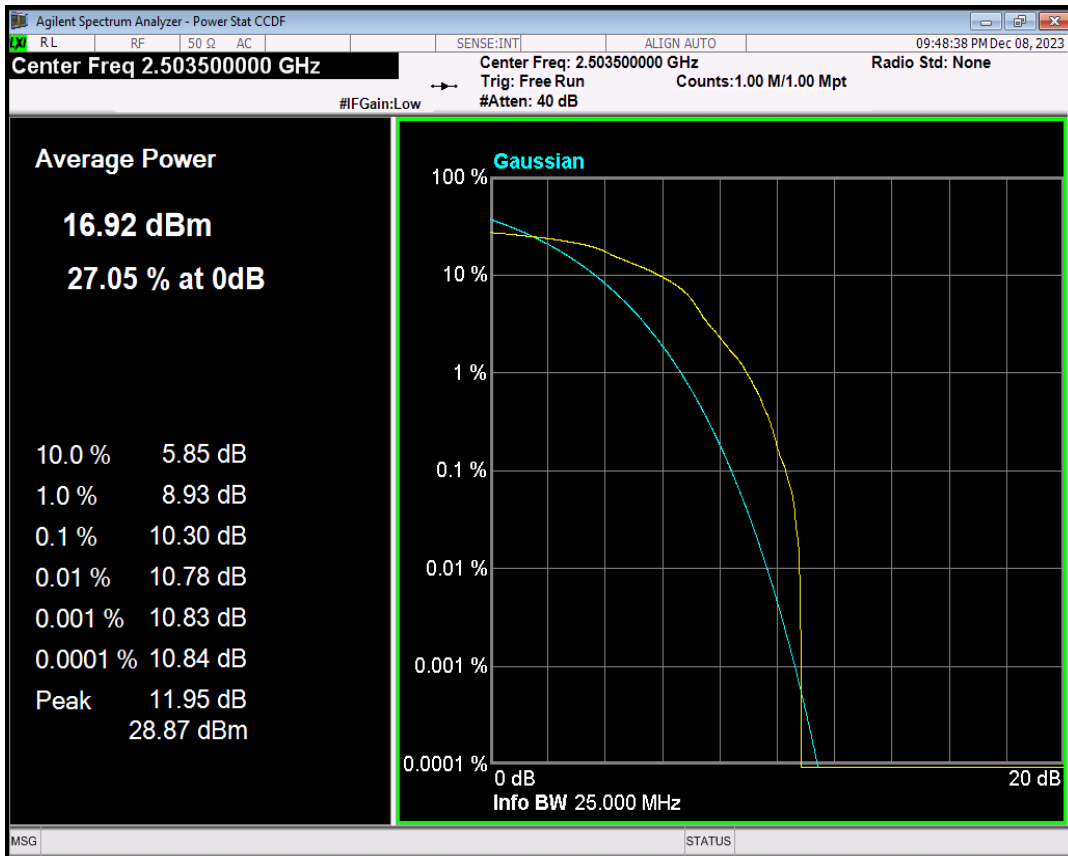
Band41 16QAM BW=10MHz Channel=41540 RB Size=1 Position=#0



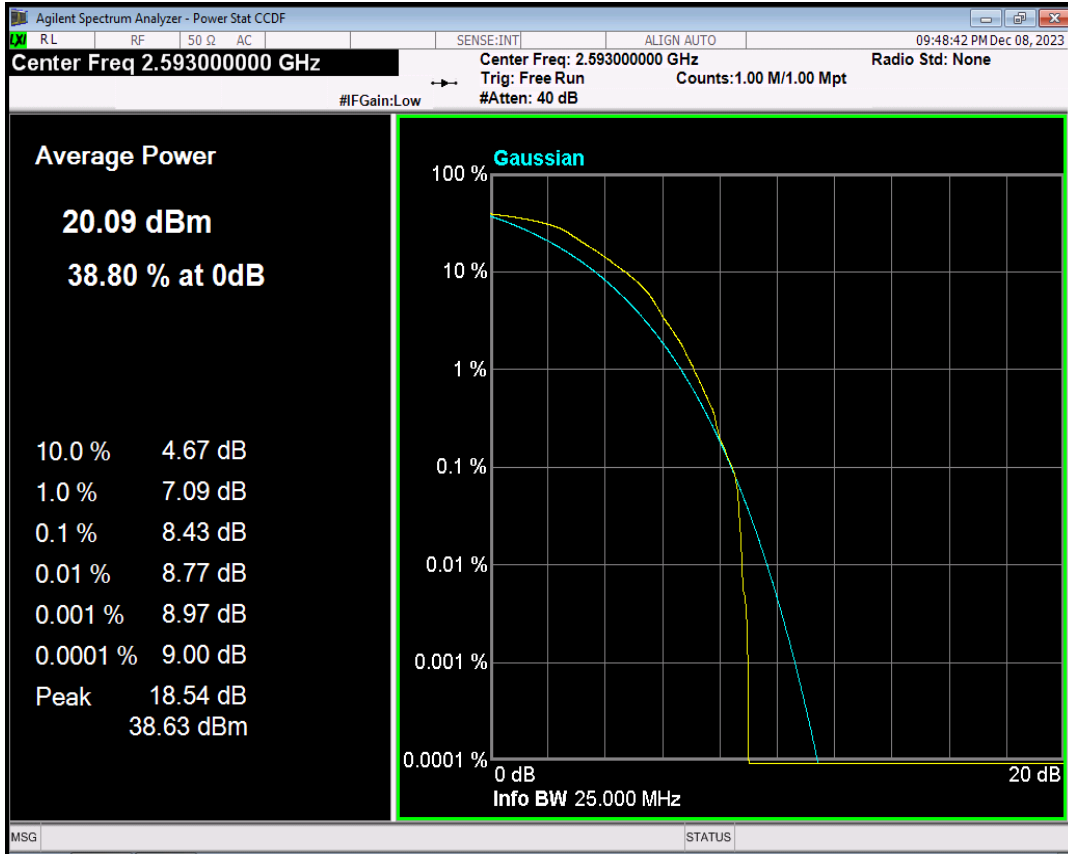
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0



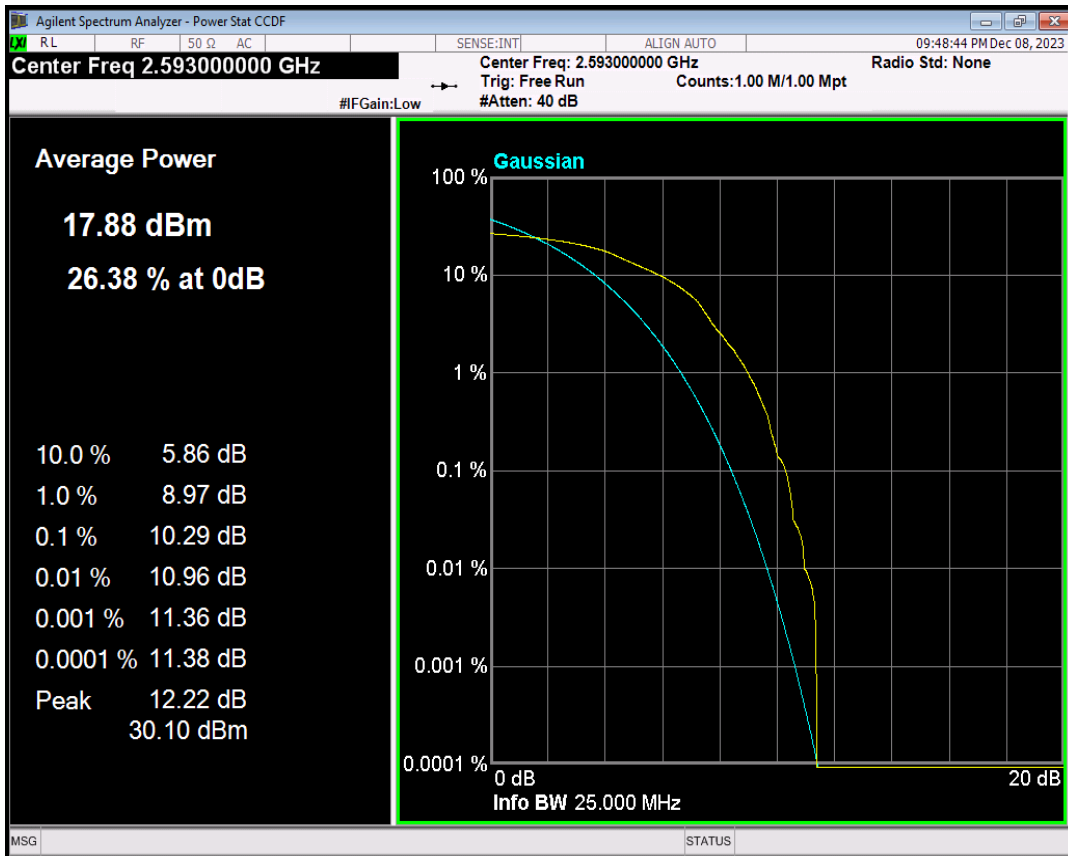
Band41 16QAM BW=15MHz Channel=39725 RB Size=1 Position=#0



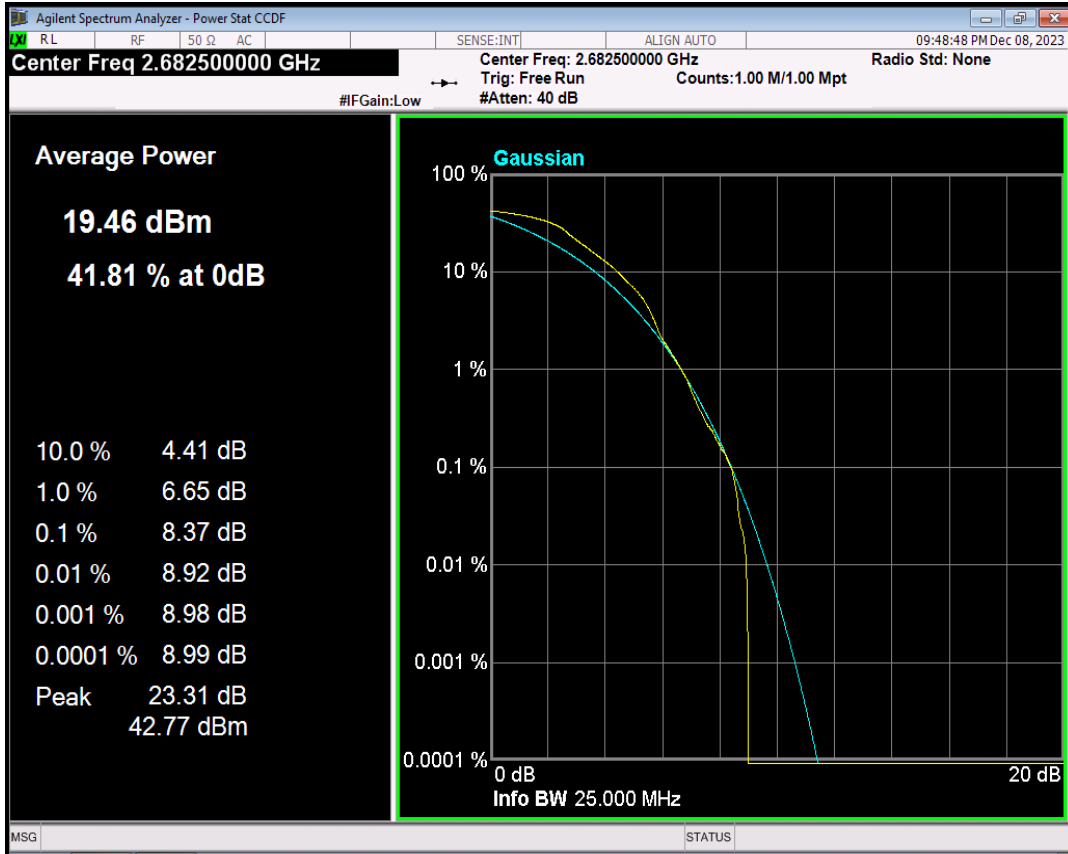
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



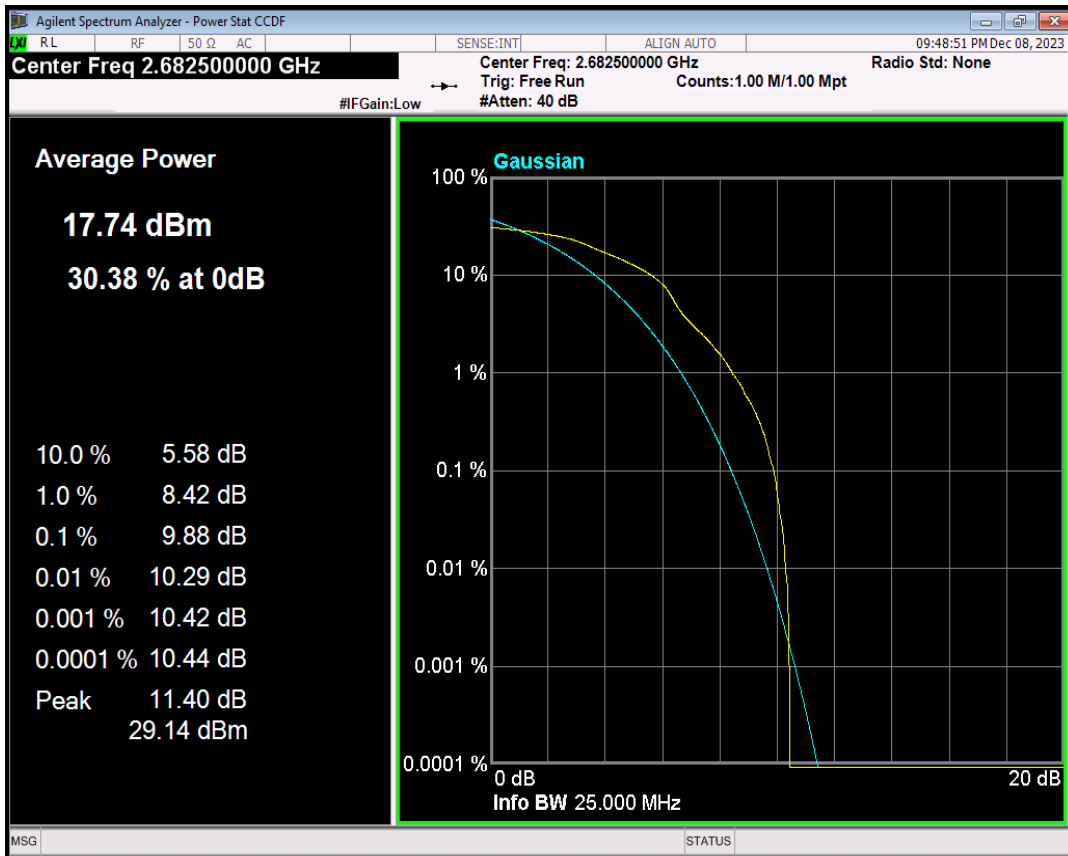
Band41 16QAM BW=15MHz Channel=40620 RB Size=1 Position=#0



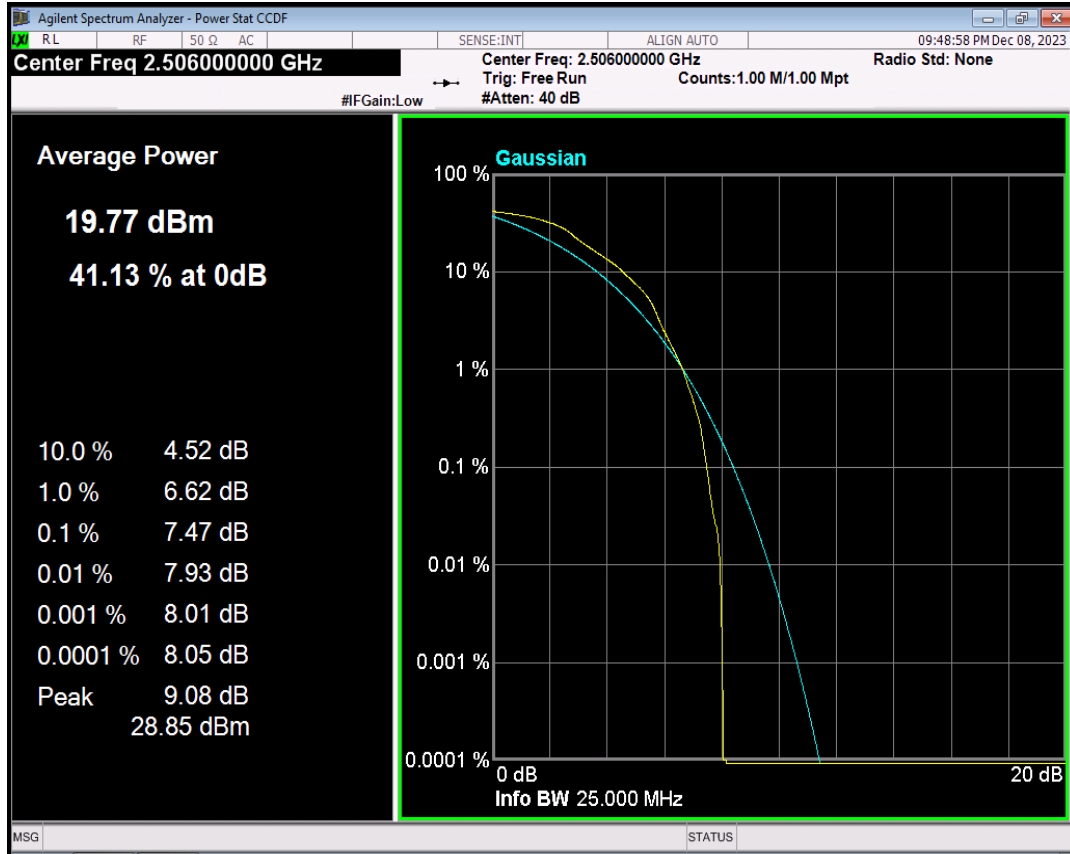
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0



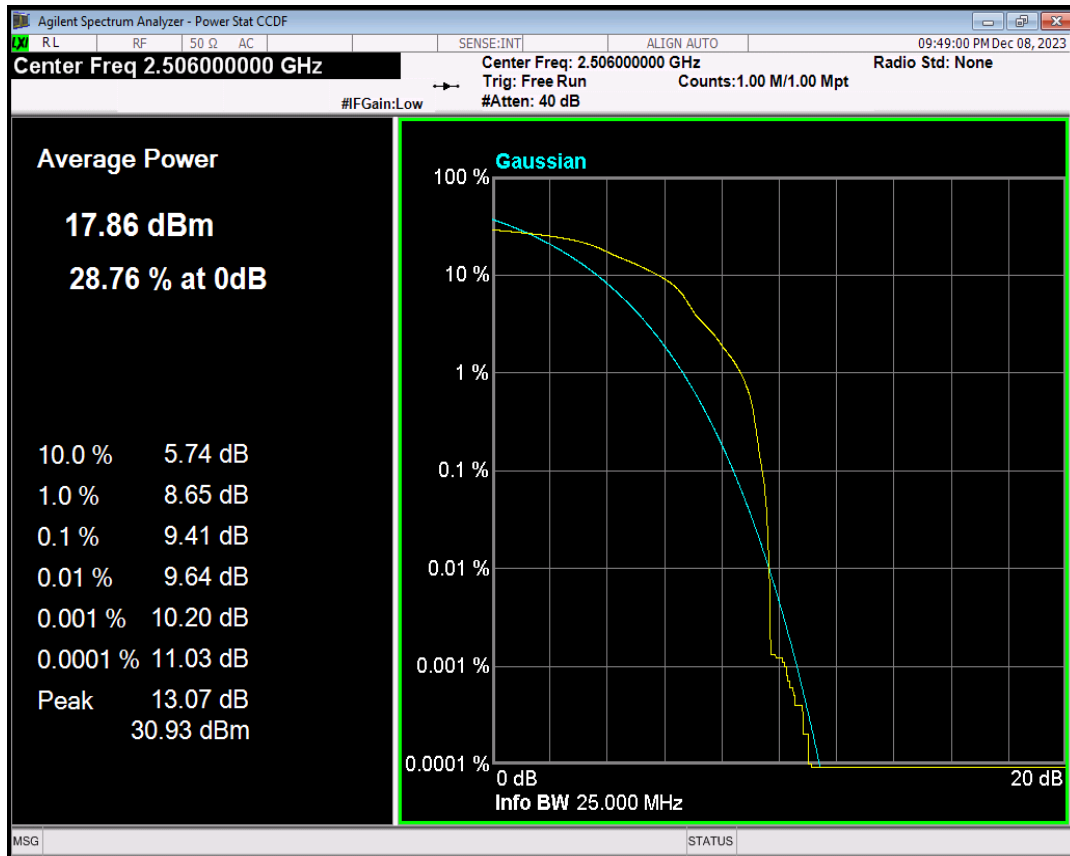
Band41 16QAM BW=15MHz Channel=41515 RB Size=1 Position=#0



Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0



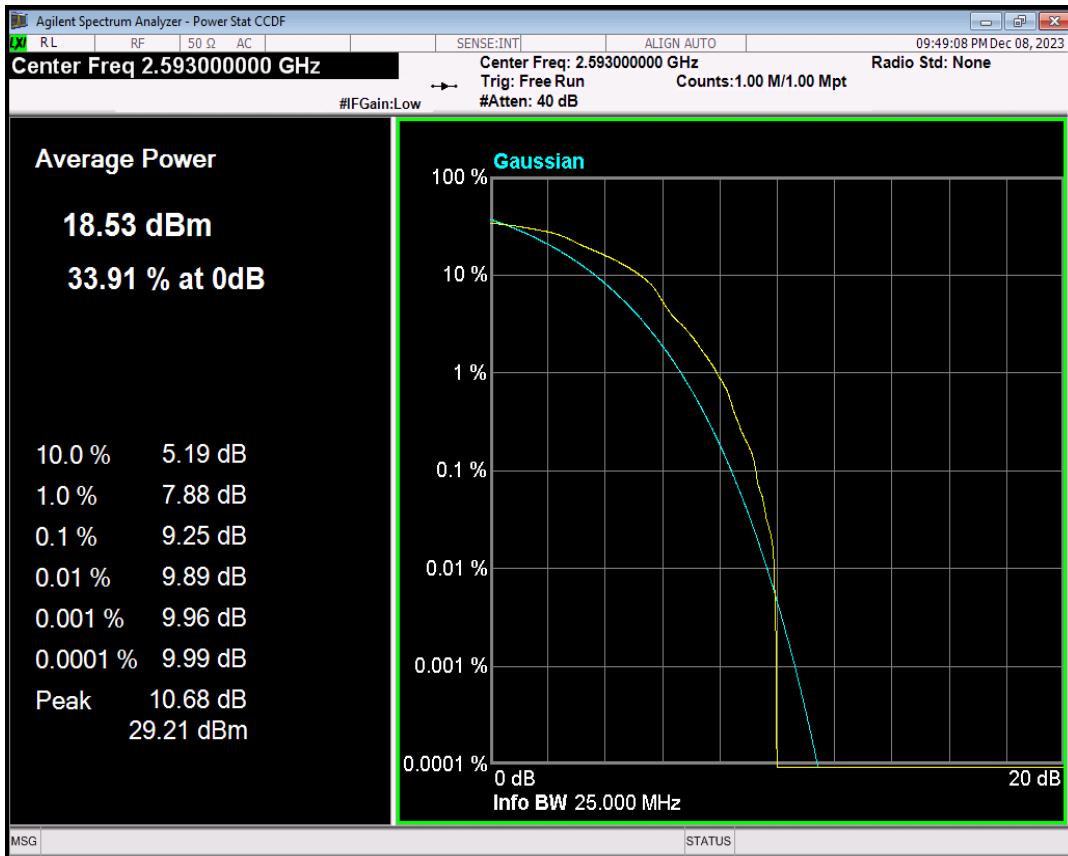
Band41 16QAM BW=20MHz Channel=39750 RB Size=1 Position=#0



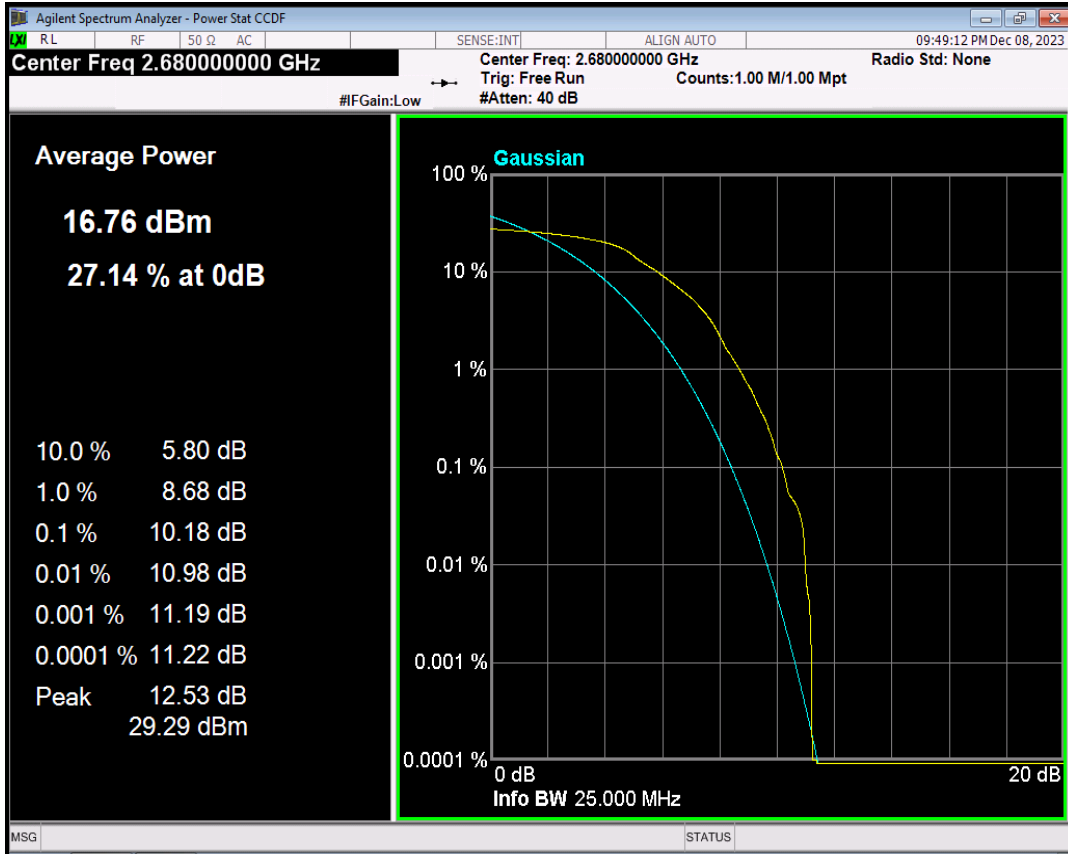
Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0



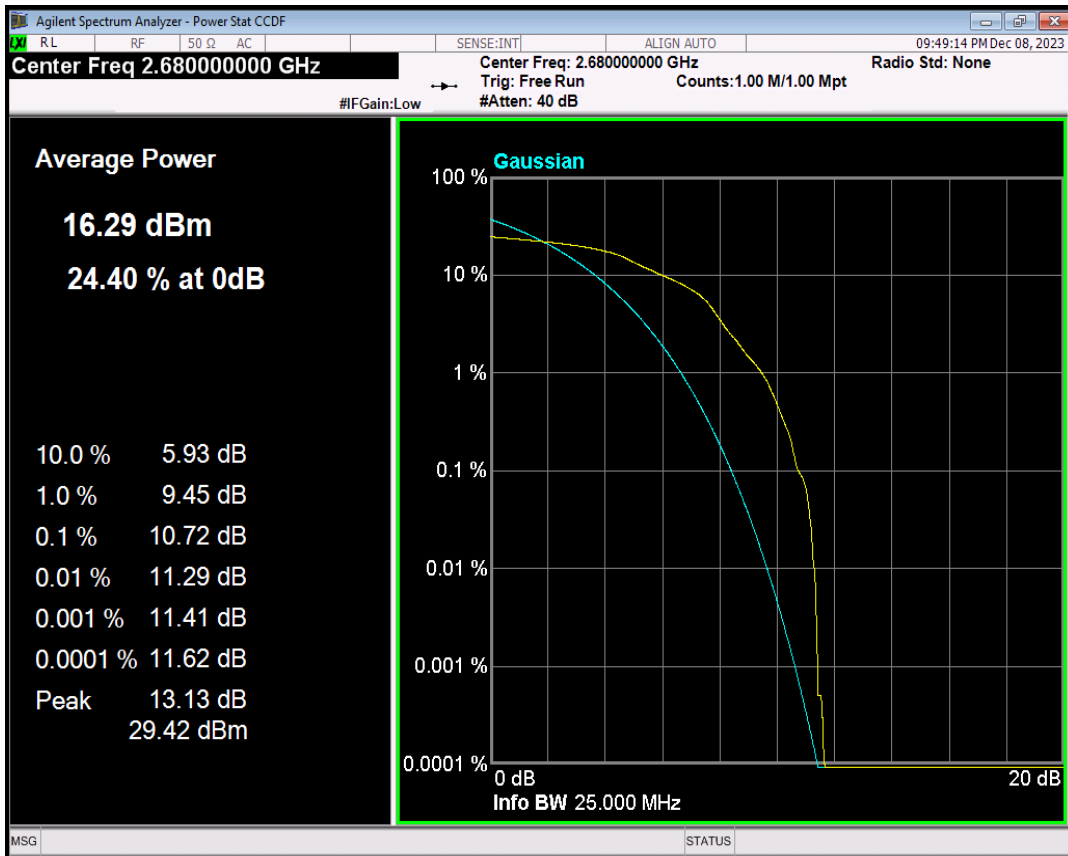
Band41 16QAM BW=20MHz Channel=40620 RB Size=1 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



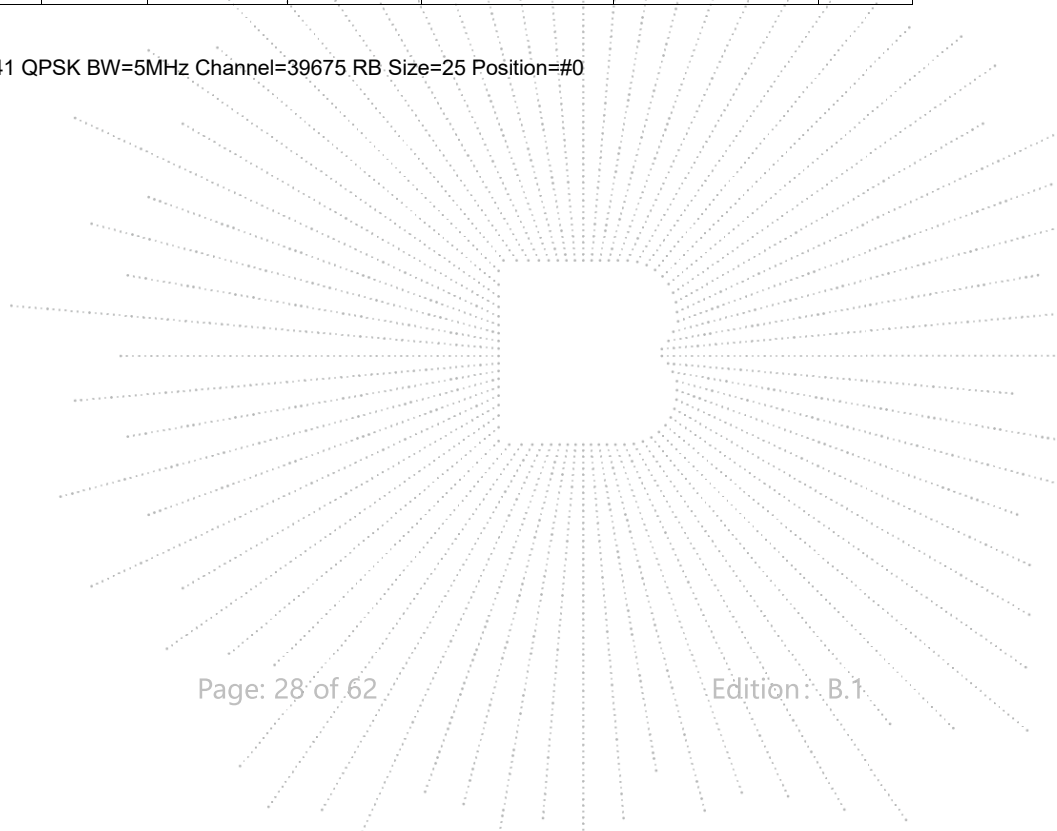
Band41 16QAM BW=20MHz Channel=41490 RB Size=1 Position=#0

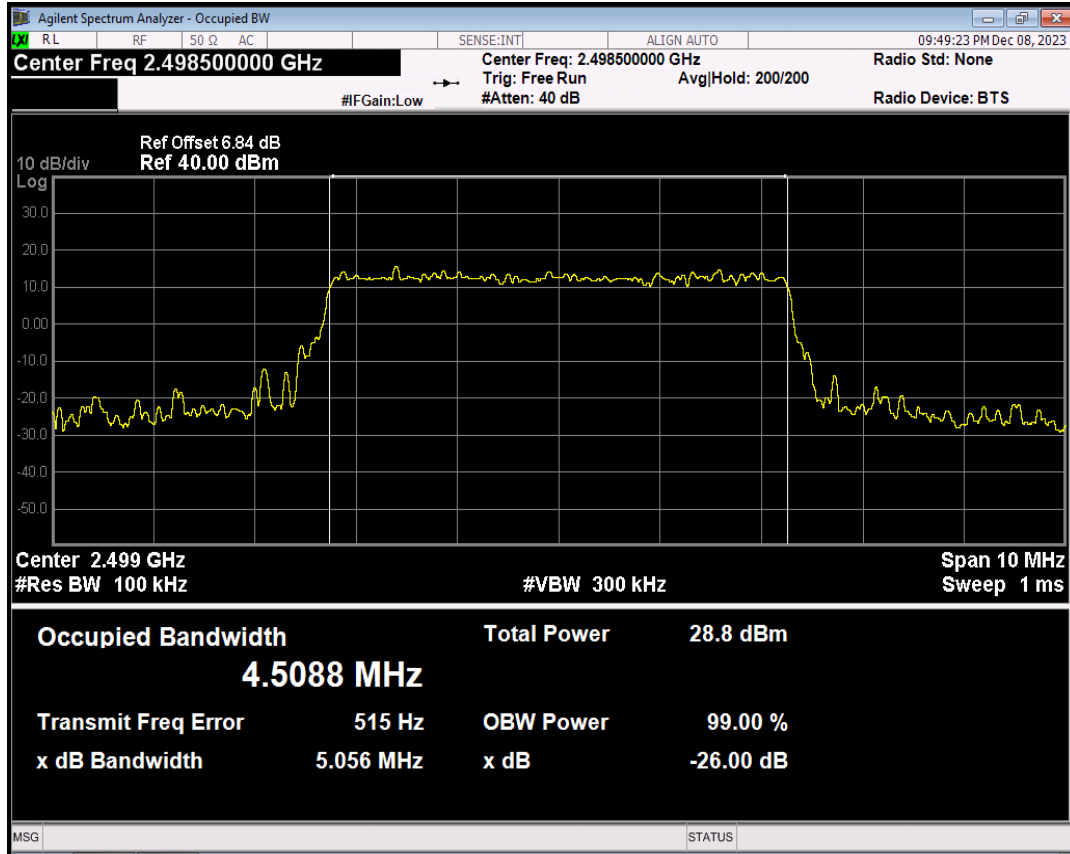


Appendix 4. Occupied bandwidth

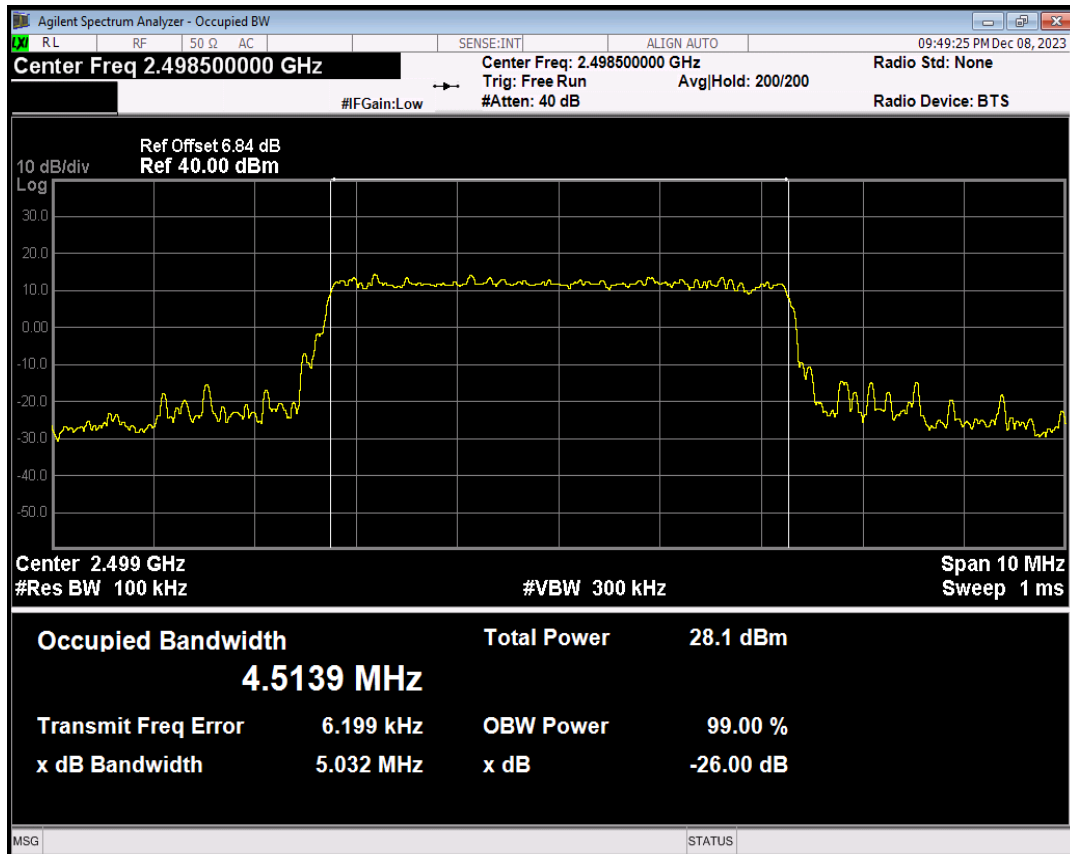
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QPSK	4.509	5.056	PASS
Band41	5	39675	25	#0	16QAM	4.514	5.032	PASS
Band41	5	40620	25	#0	QPSK	4.500	5.006	PASS
Band41	5	40620	25	#0	16QAM	4.508	4.938	PASS
Band41	5	41565	25	#0	QPSK	4.511	4.922	PASS
Band41	5	41565	25	#0	16QAM	4.512	5.149	PASS
Band41	10	39700	50	#0	QPSK	8.993	9.846	PASS
Band41	10	39700	50	#0	16QAM	8.967	9.783	PASS
Band41	10	40620	50	#0	QPSK	9.000	10.263	PASS
Band41	10	40620	50	#0	16QAM	8.991	9.927	PASS
Band41	10	41540	50	#0	QPSK	8.990	11.367	PASS
Band41	10	41540	50	#0	16QAM	9.003	10.416	PASS
Band41	15	39725	75	#0	QPSK	13.498	14.818	PASS
Band41	15	39725	75	#0	16QAM	13.490	14.678	PASS
Band41	15	40620	75	#0	QPSK	13.457	14.884	PASS
Band41	15	40620	75	#0	16QAM	13.492	15.731	PASS
Band41	15	41515	75	#0	QPSK	13.480	15.102	PASS
Band41	15	41515	75	#0	16QAM	13.486	14.433	PASS
Band41	20	39750	100	#0	QPSK	17.957	19.556	PASS
Band41	20	39750	100	#0	16QAM	18.022	19.577	PASS
Band41	20	40620	100	#0	QPSK	17.987	19.442	PASS
Band41	20	40620	100	#0	16QAM	18.004	20.500	PASS
Band41	20	41490	100	#0	QPSK	17.967	20.108	PASS
Band41	20	41490	100	#0	16QAM	17.952	20.549	PASS

Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

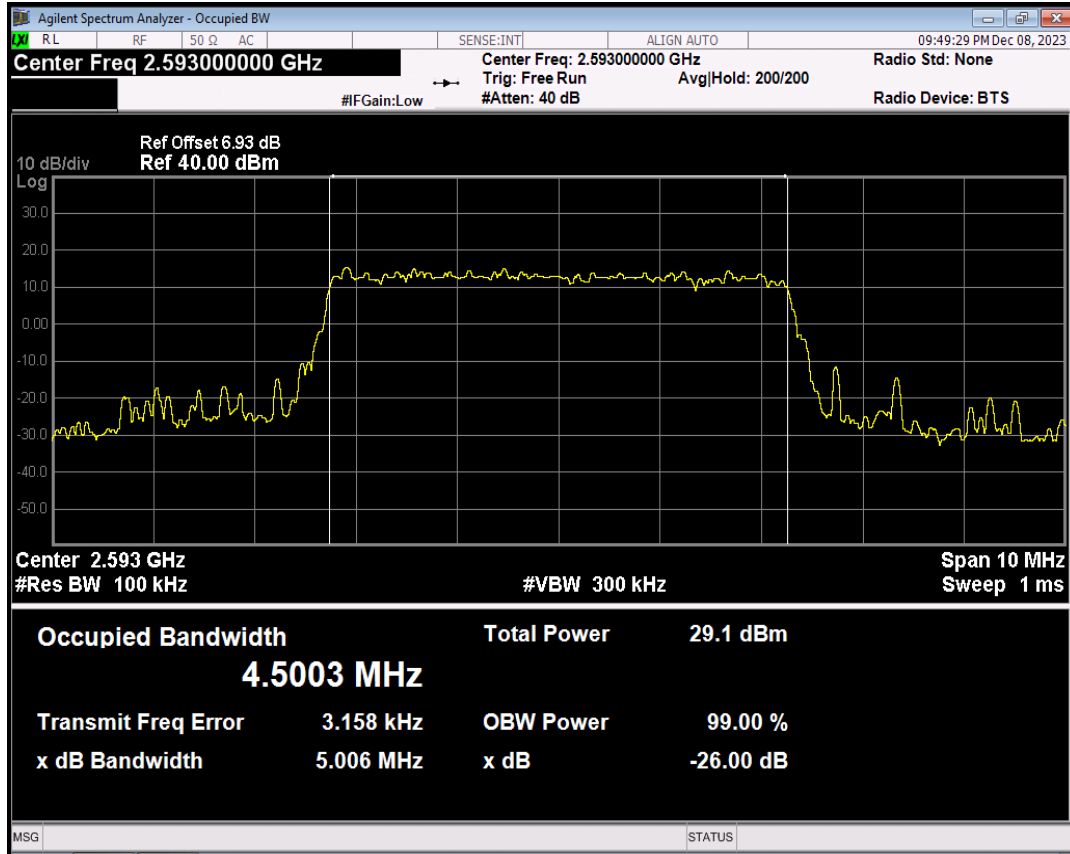




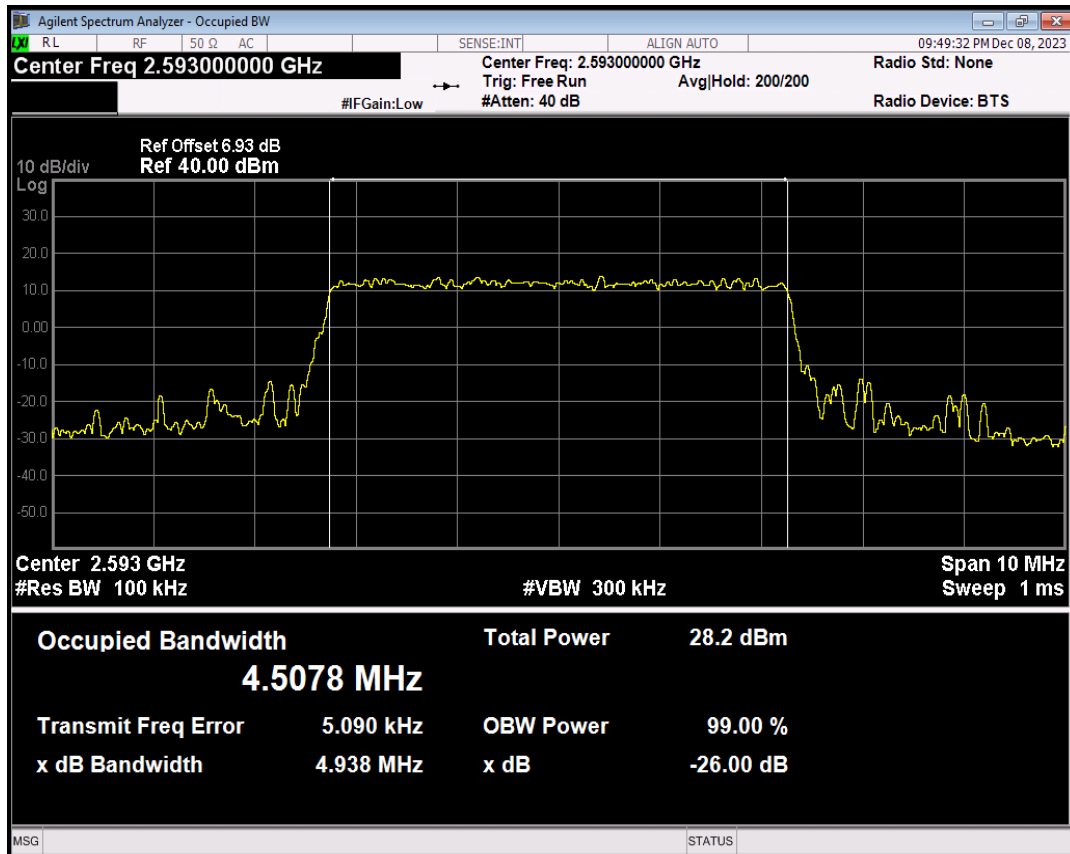
Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



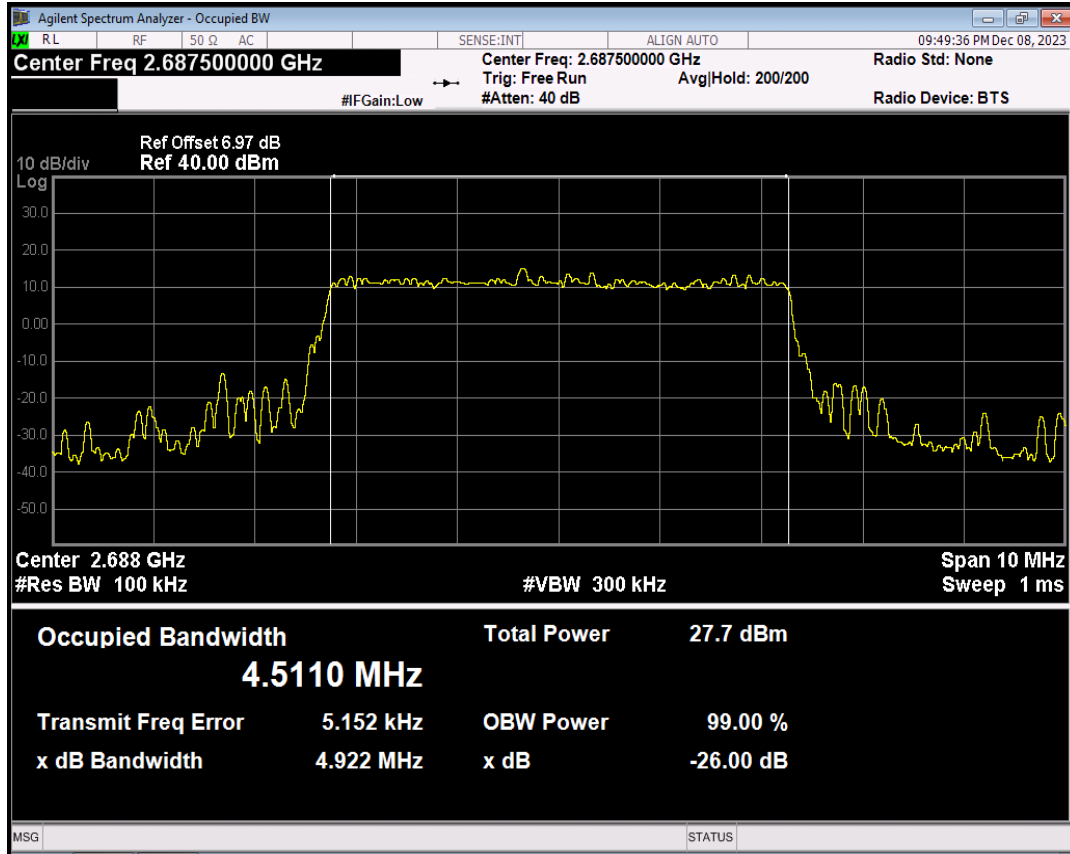
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



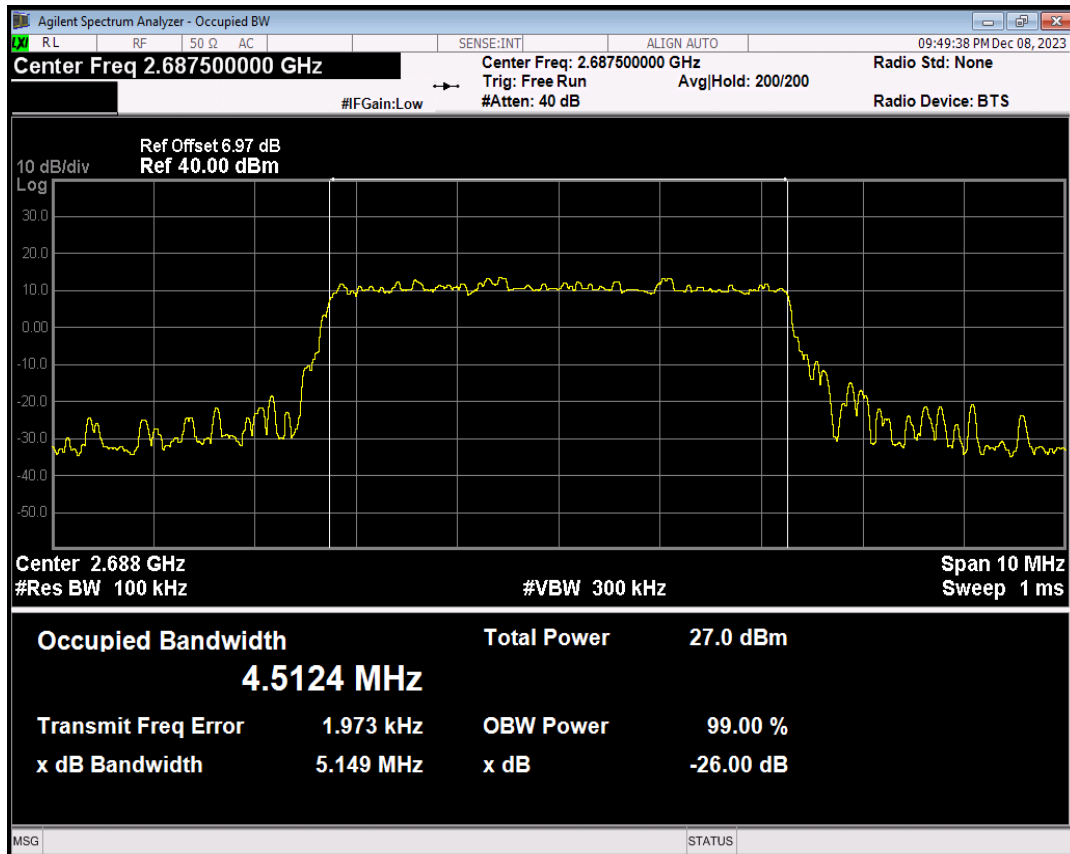
Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0



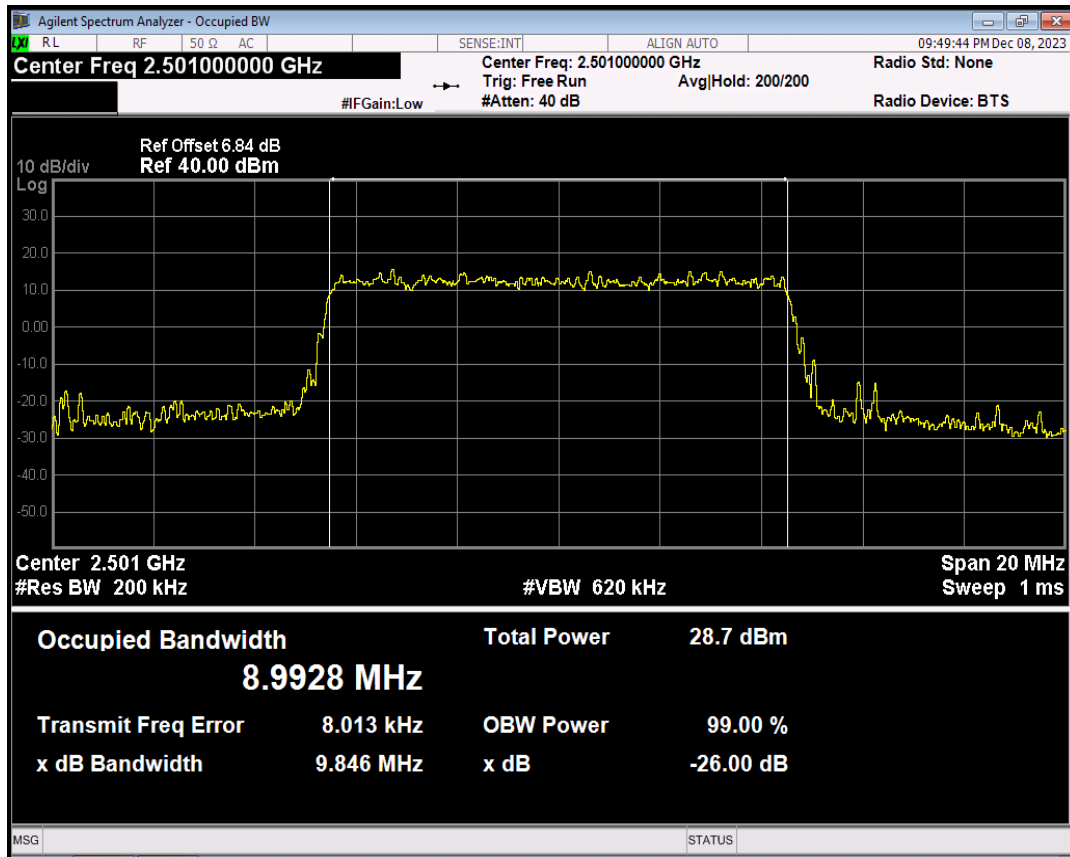
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



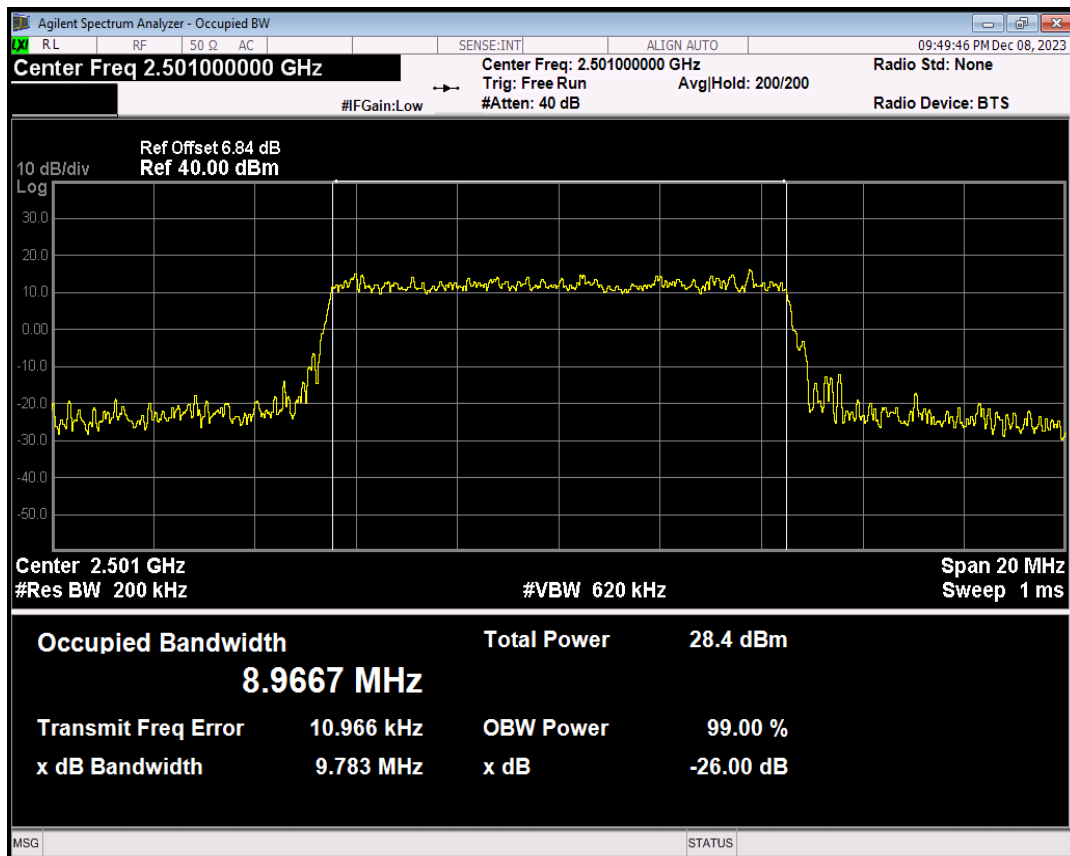
Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



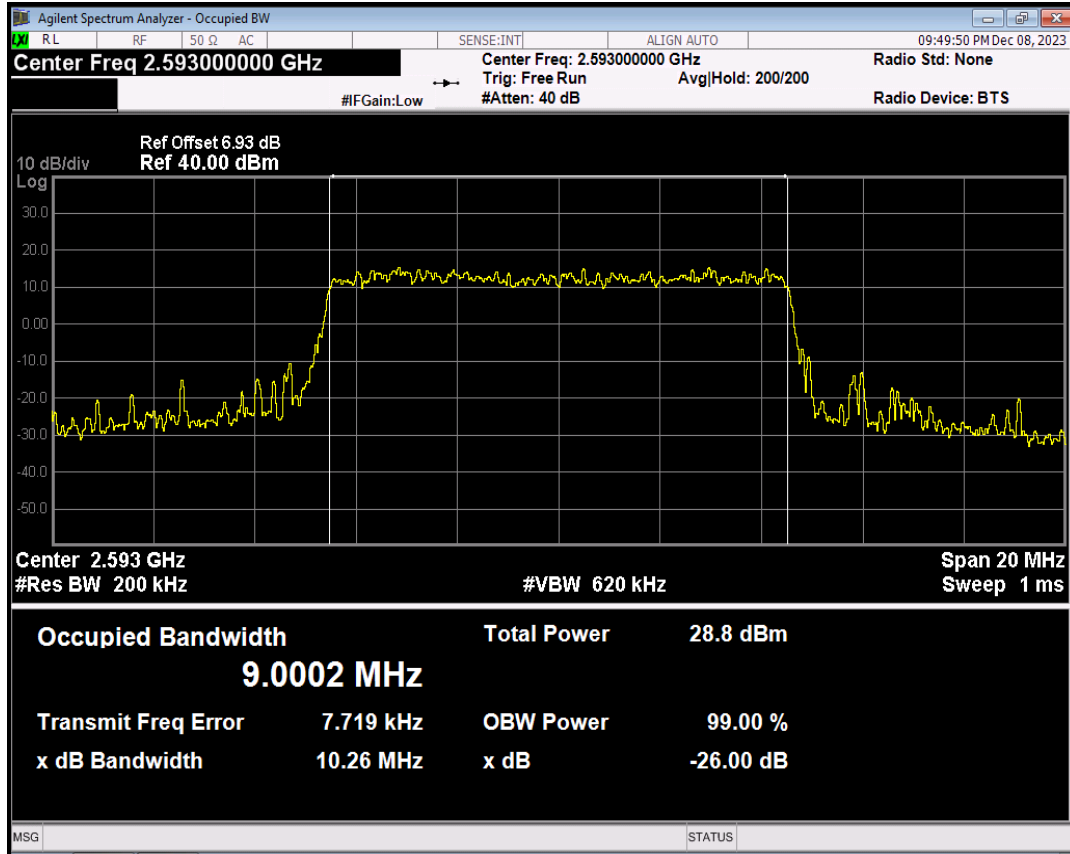
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



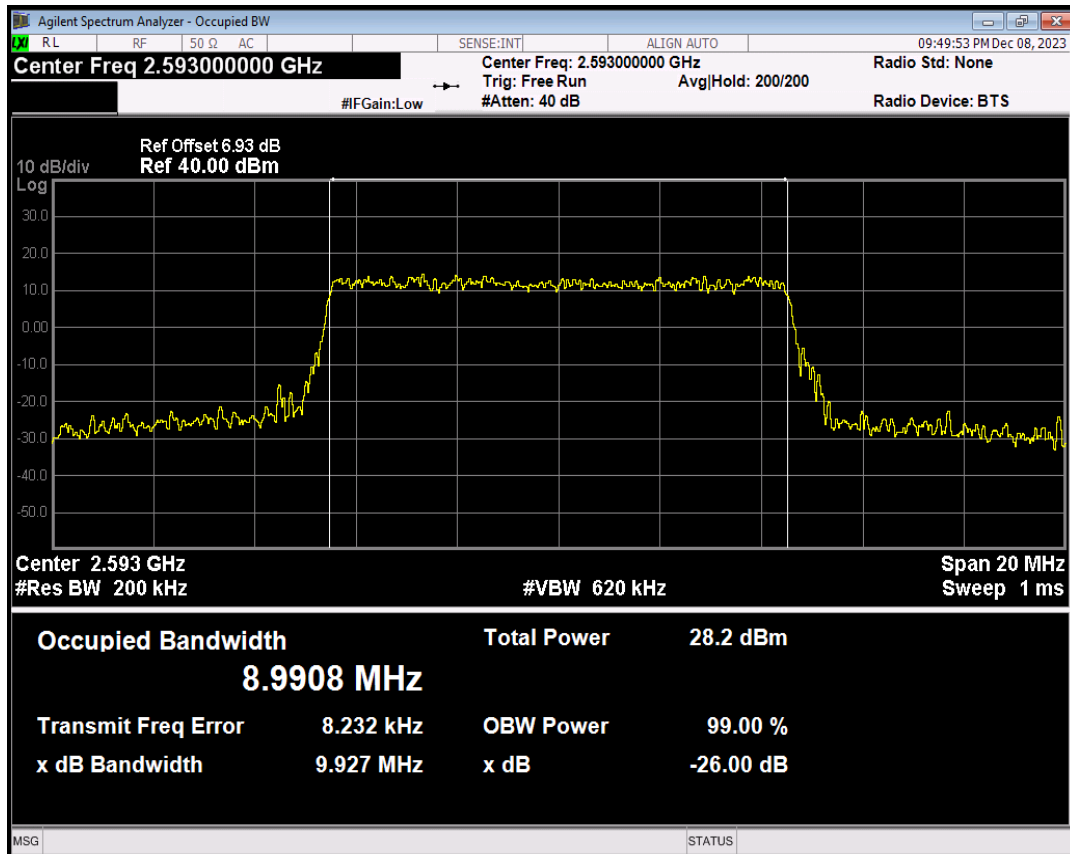
Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0



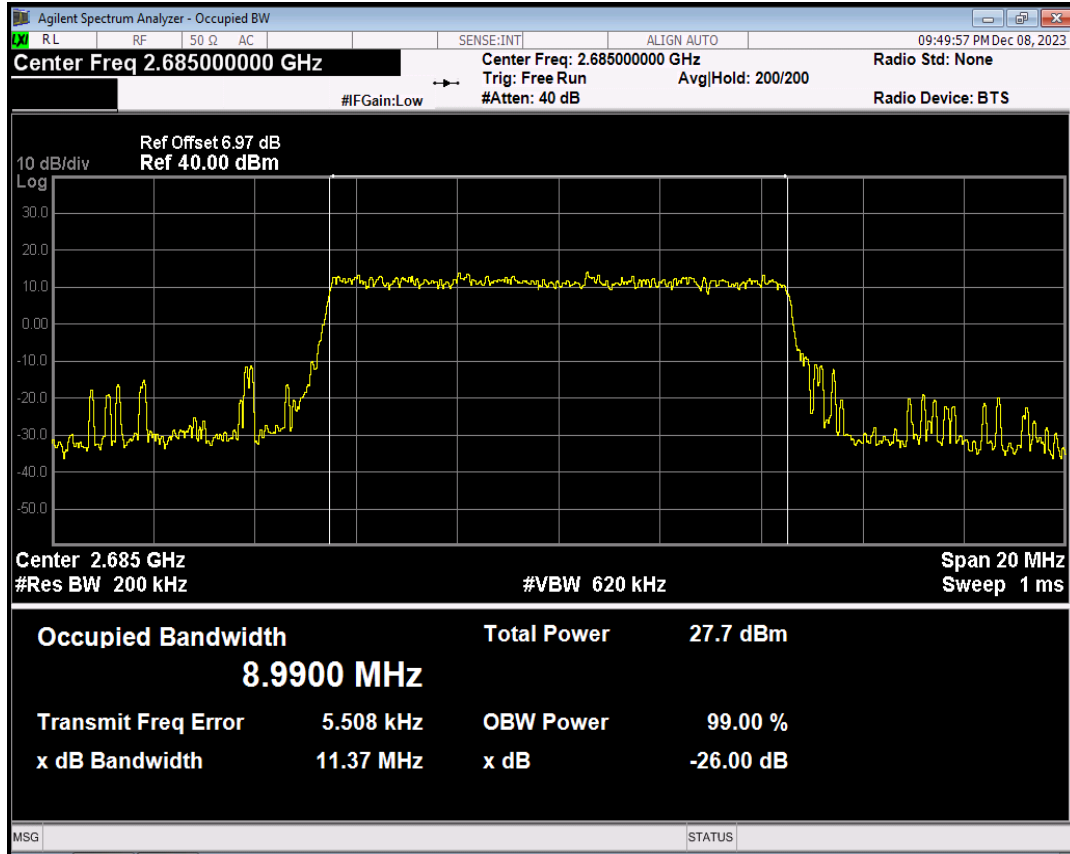
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



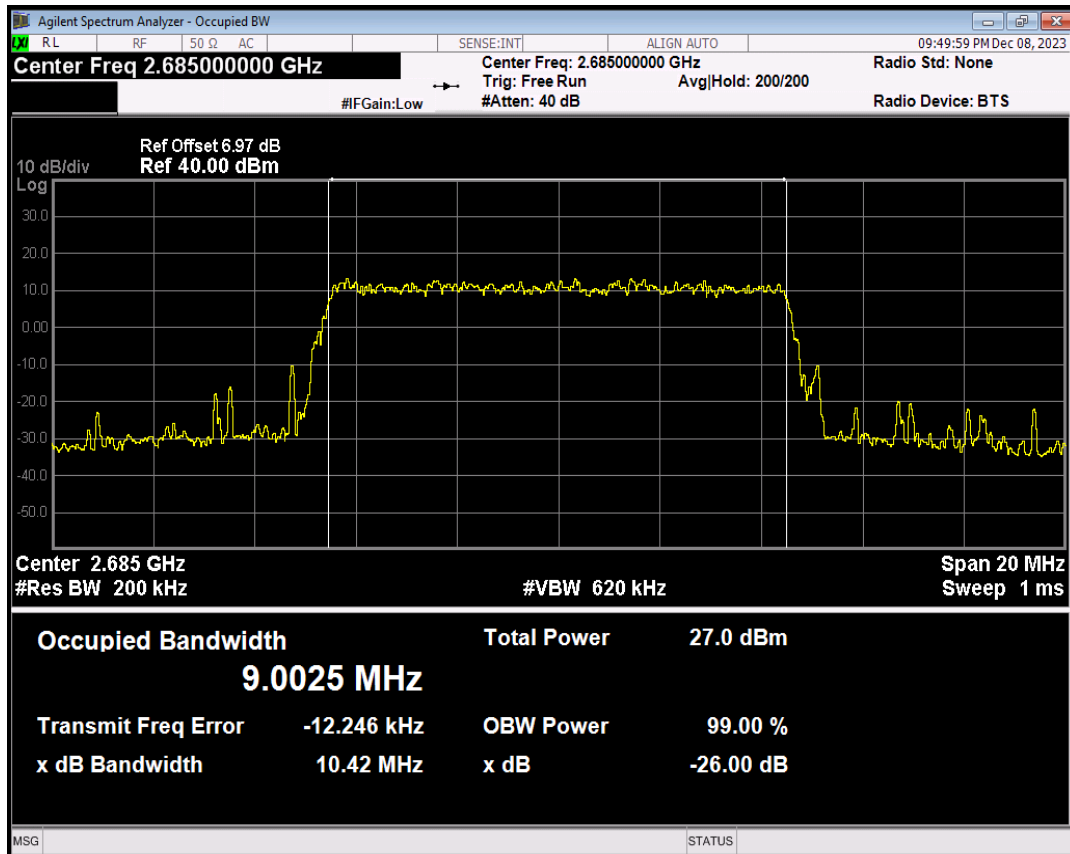
Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0



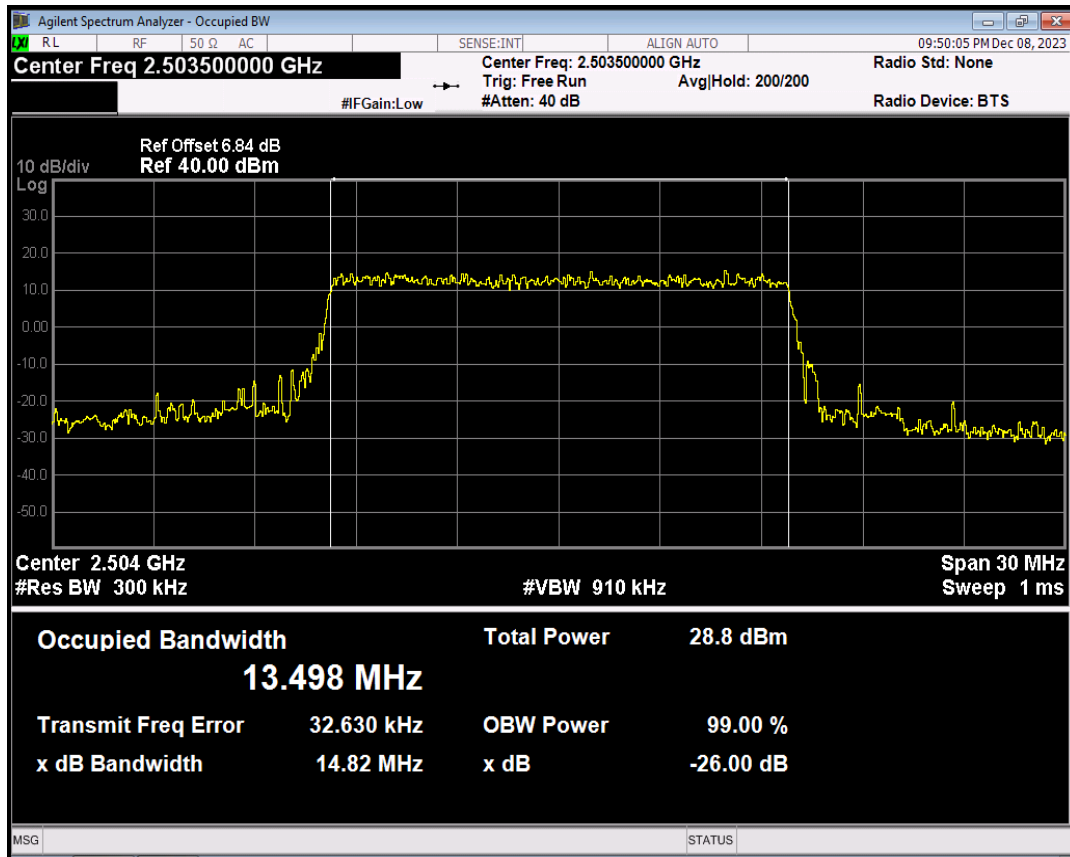
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



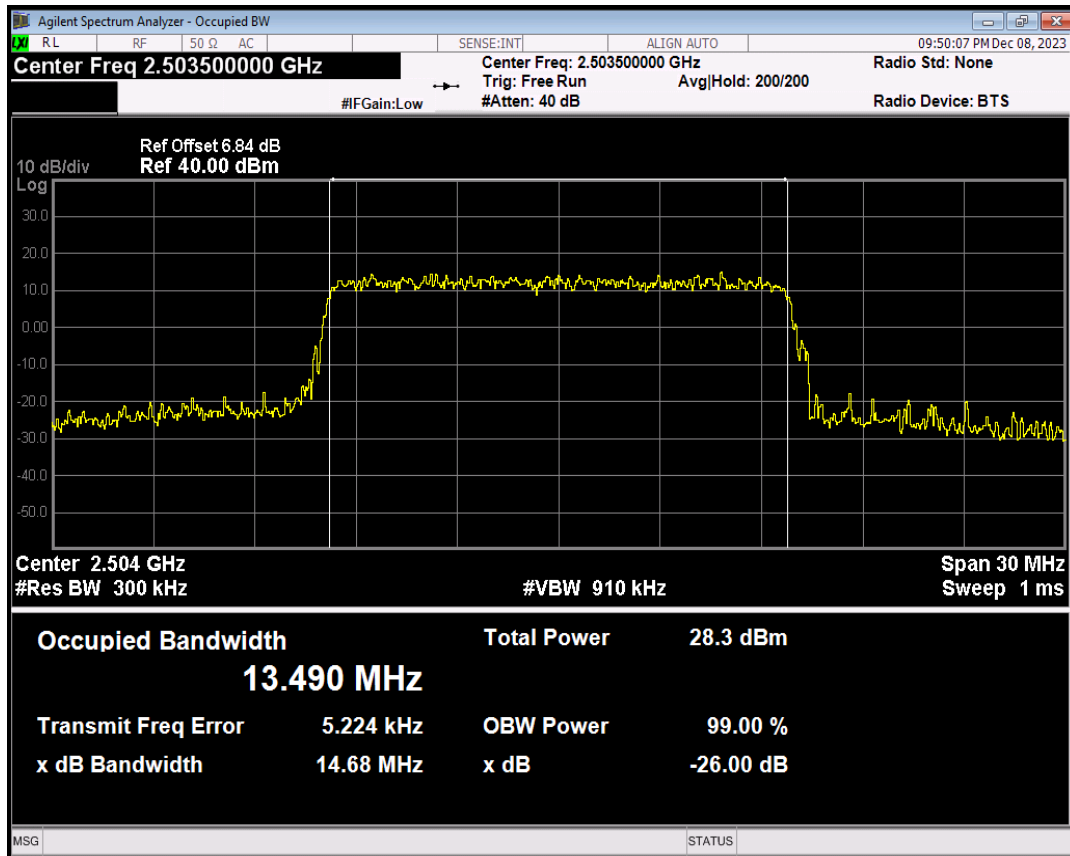
Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0



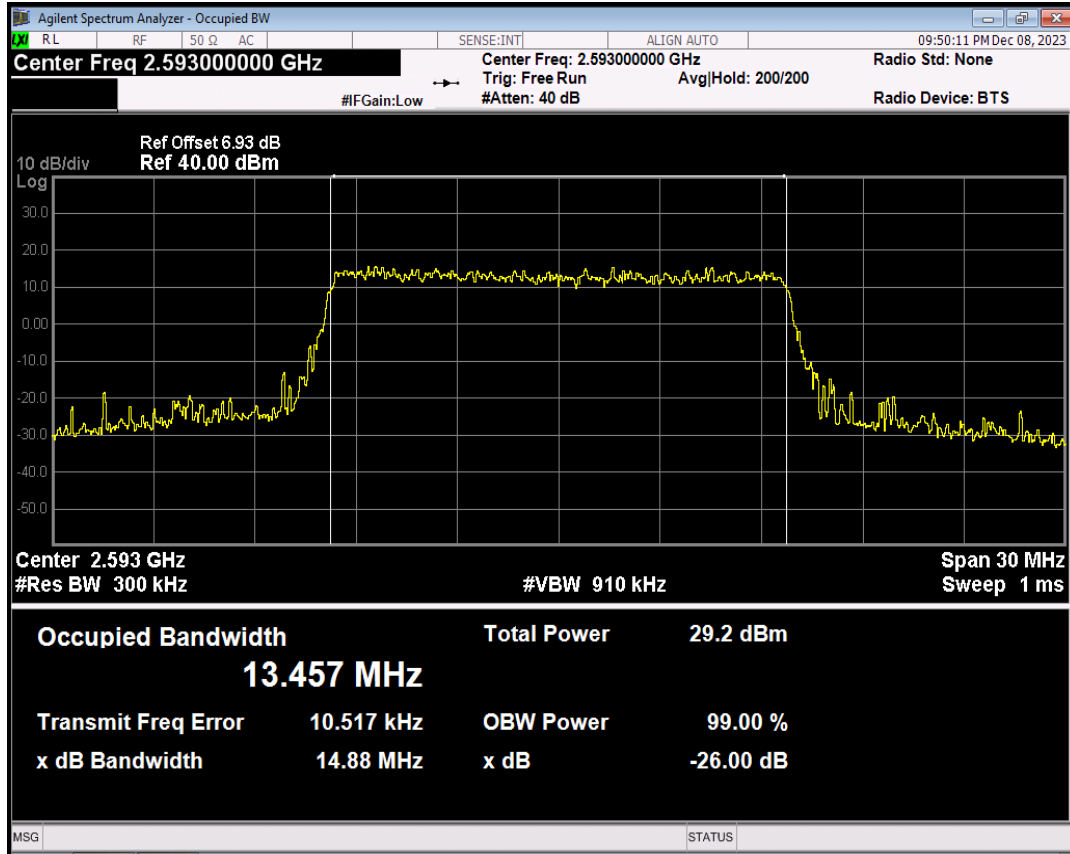
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



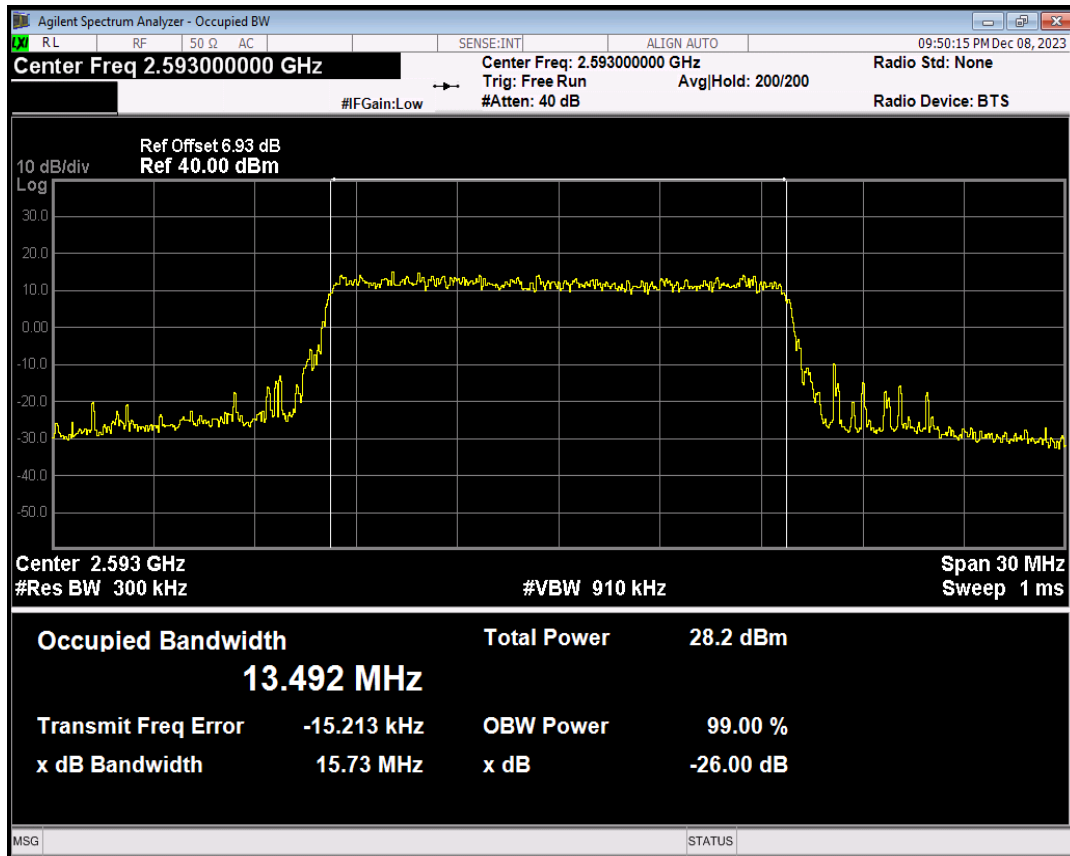
Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0



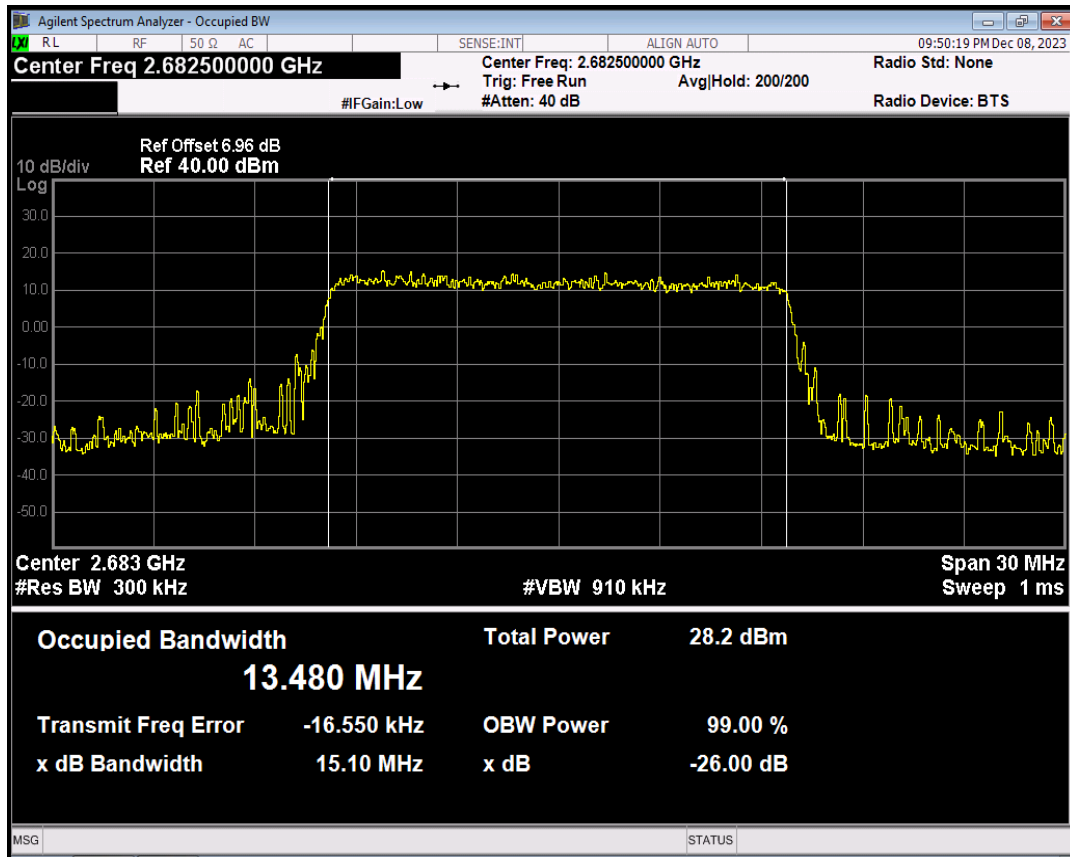
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



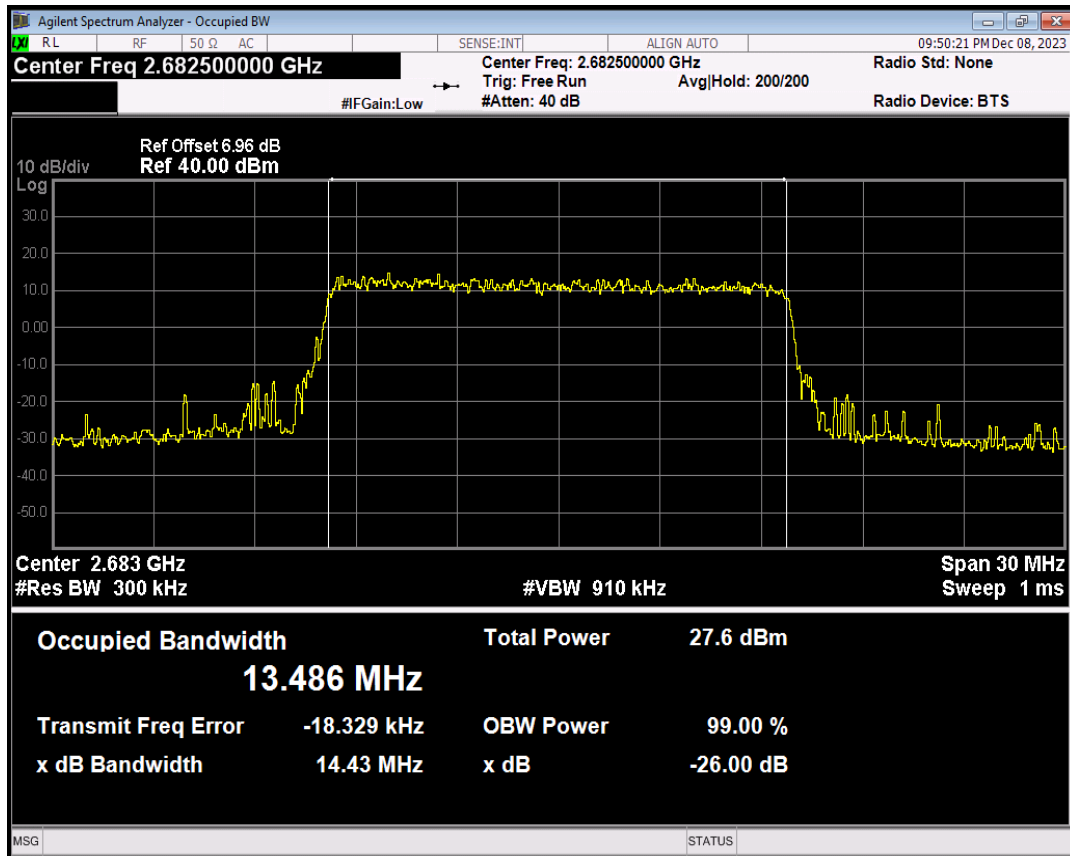
Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0



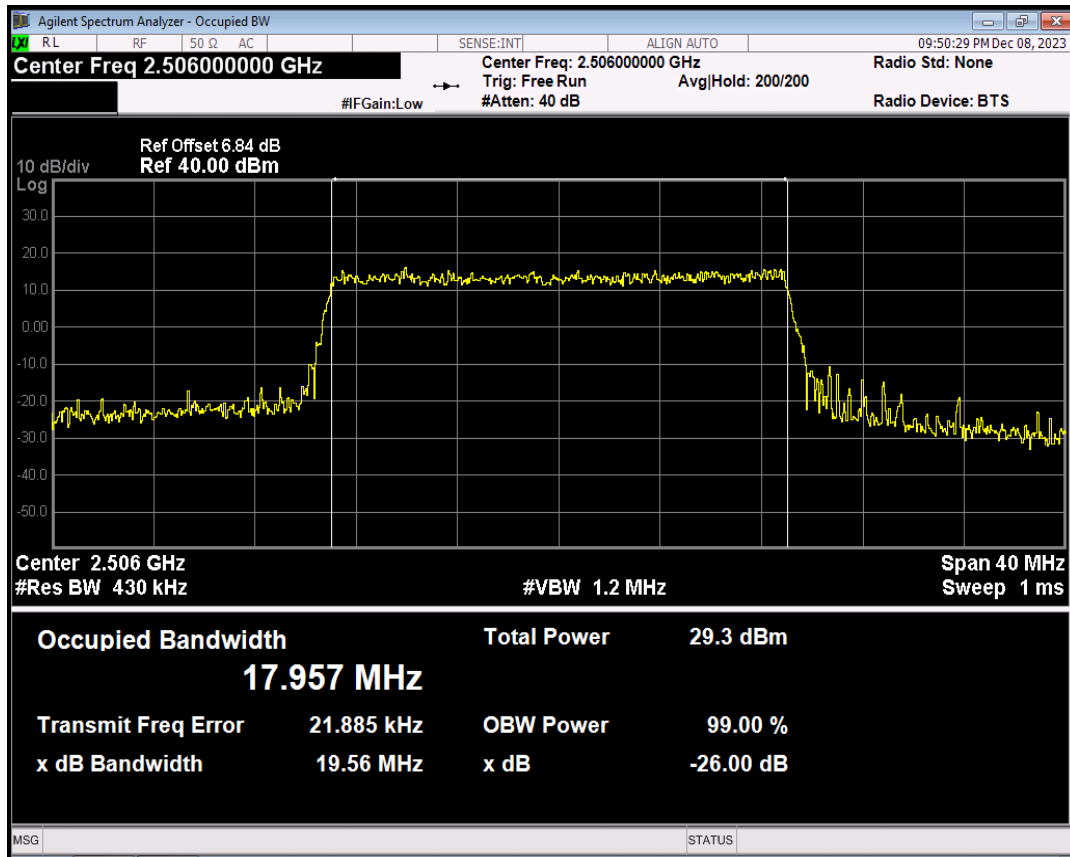
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



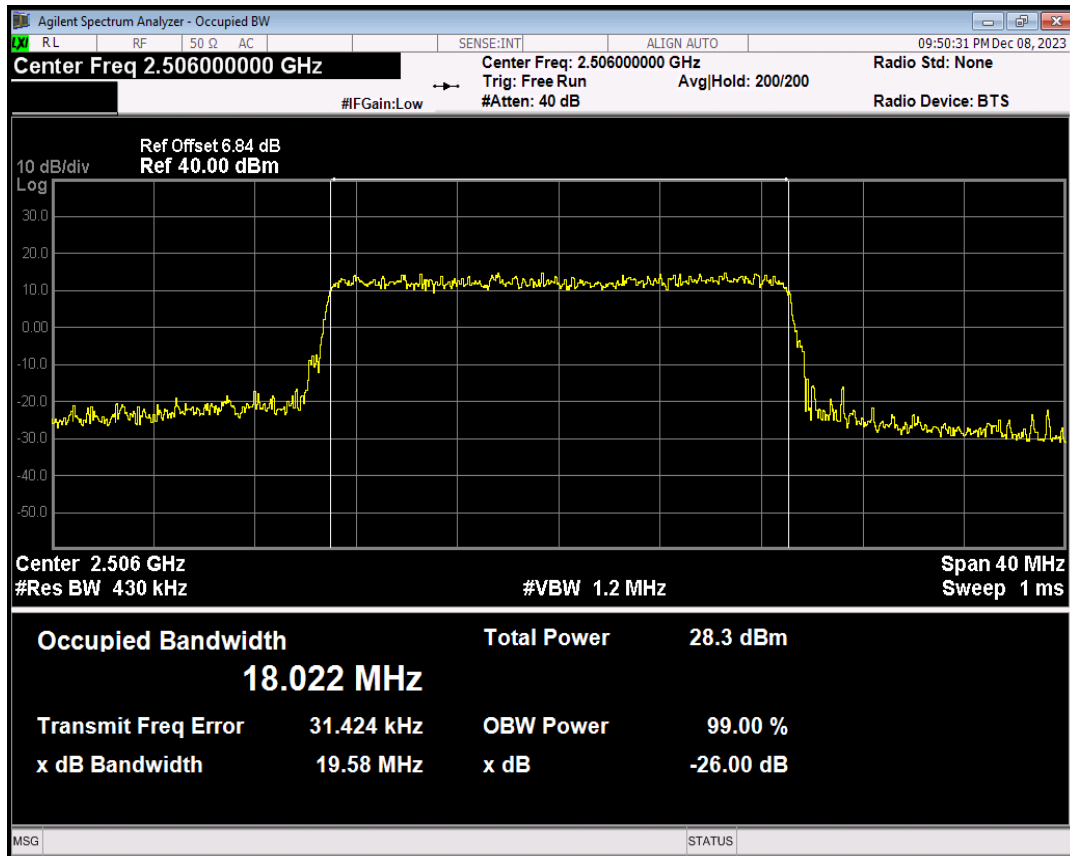
Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0



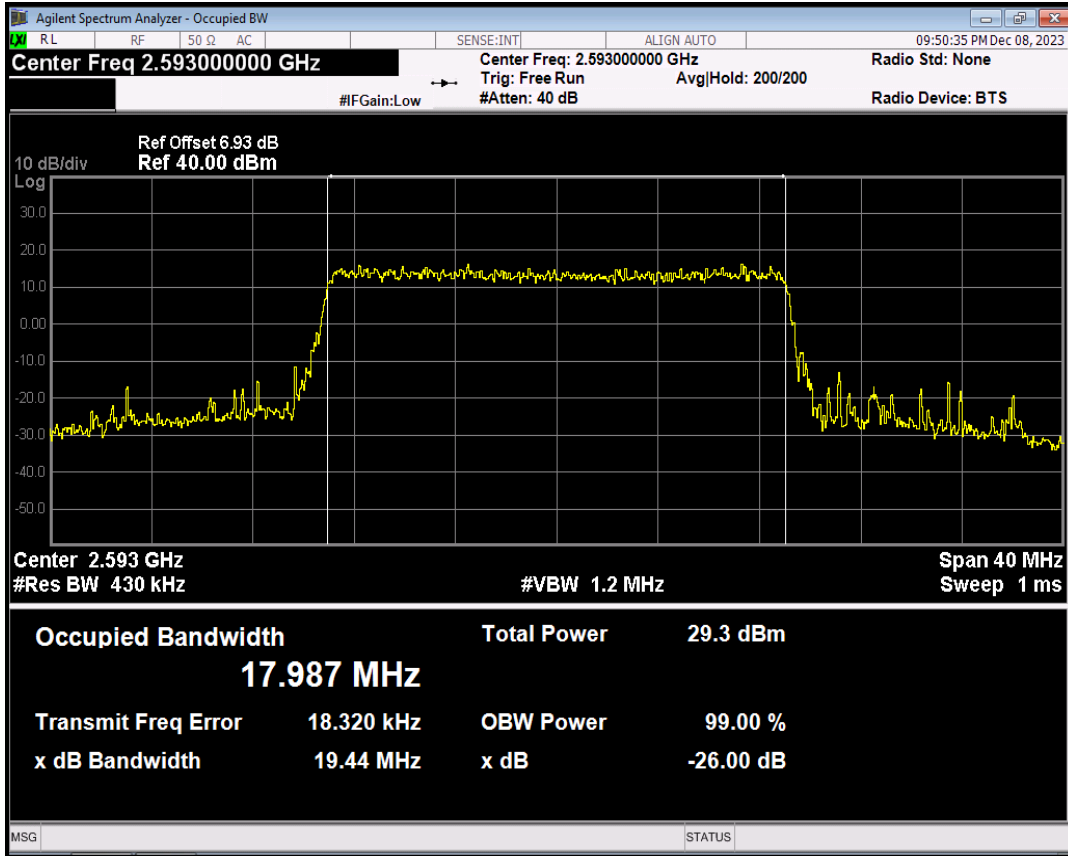
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



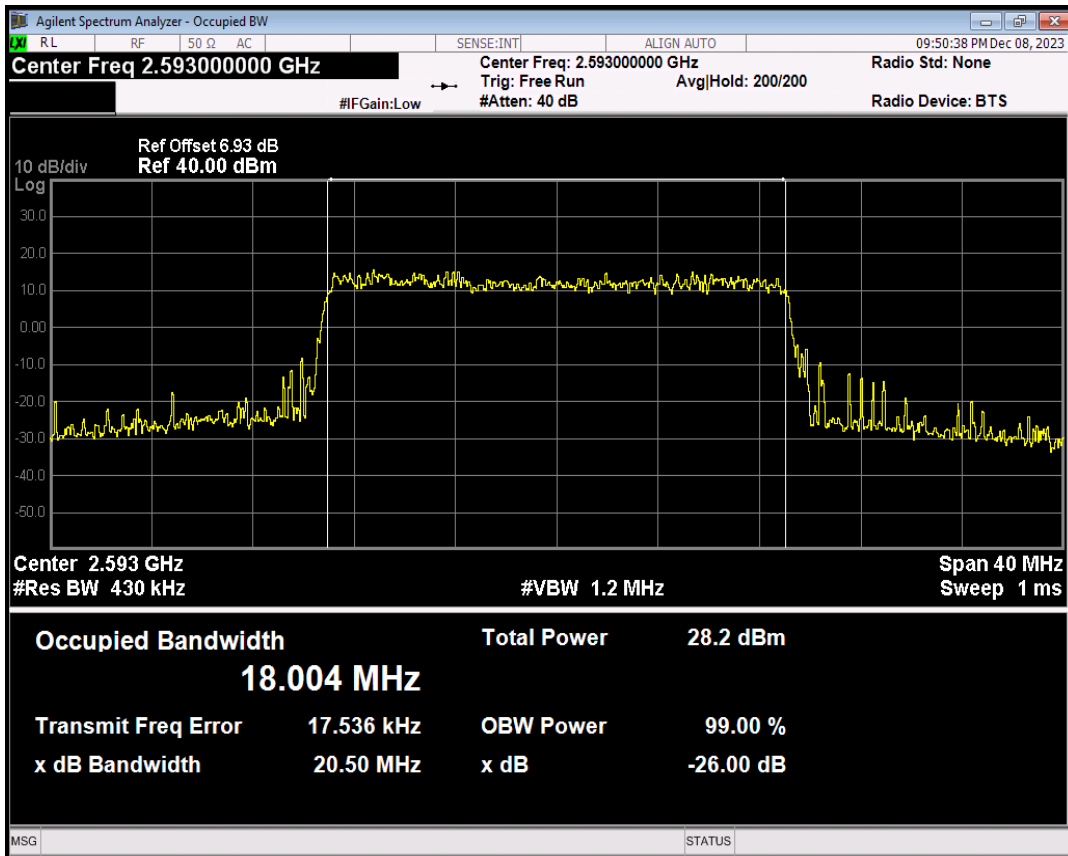
Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0



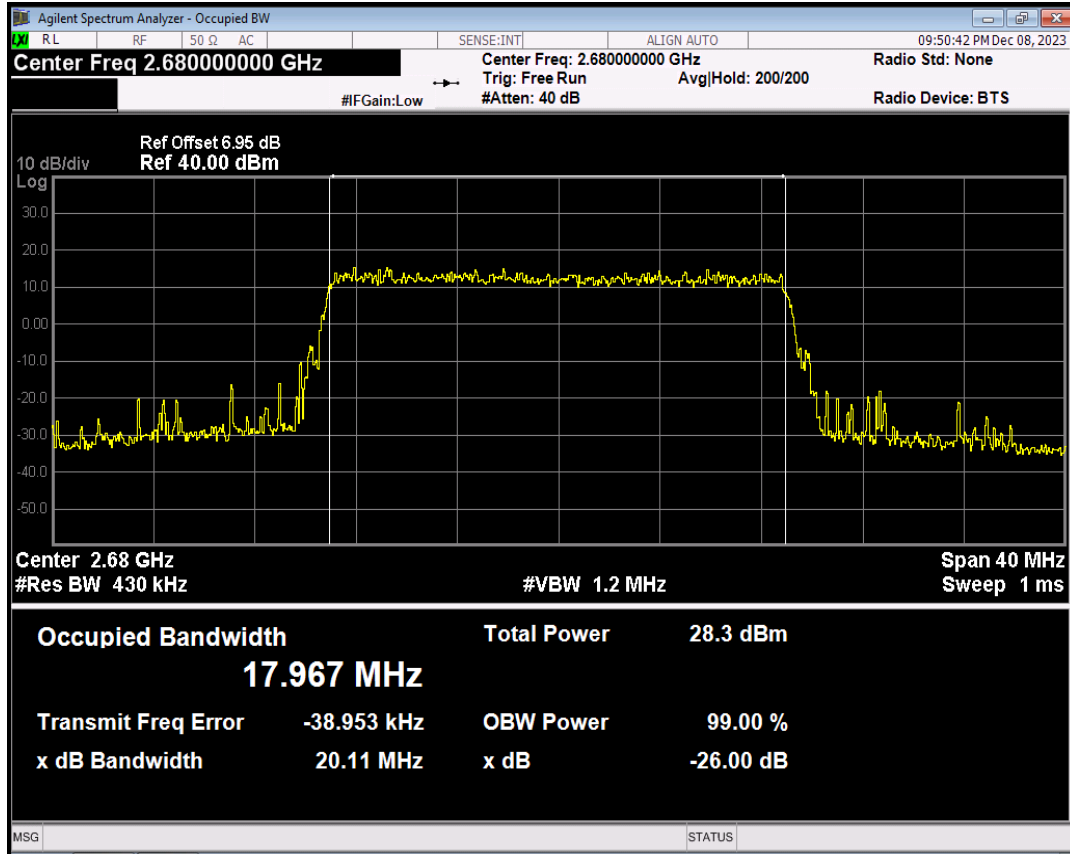
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



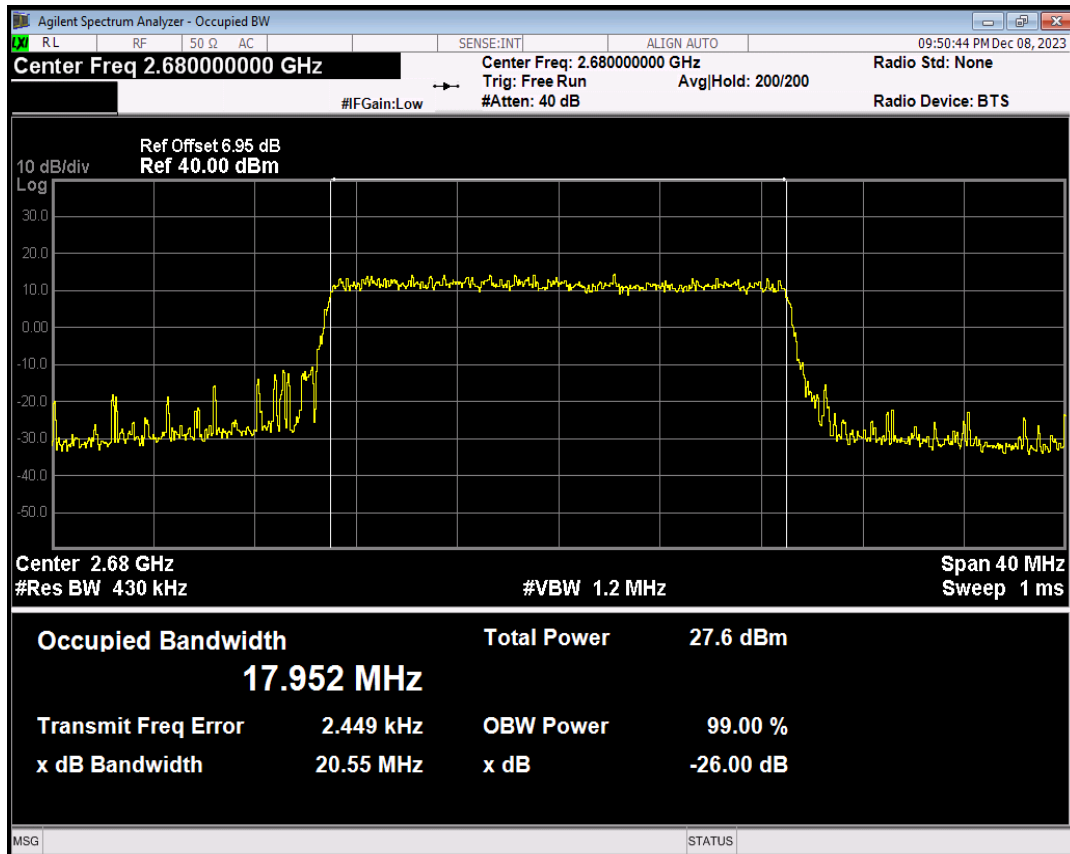
Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



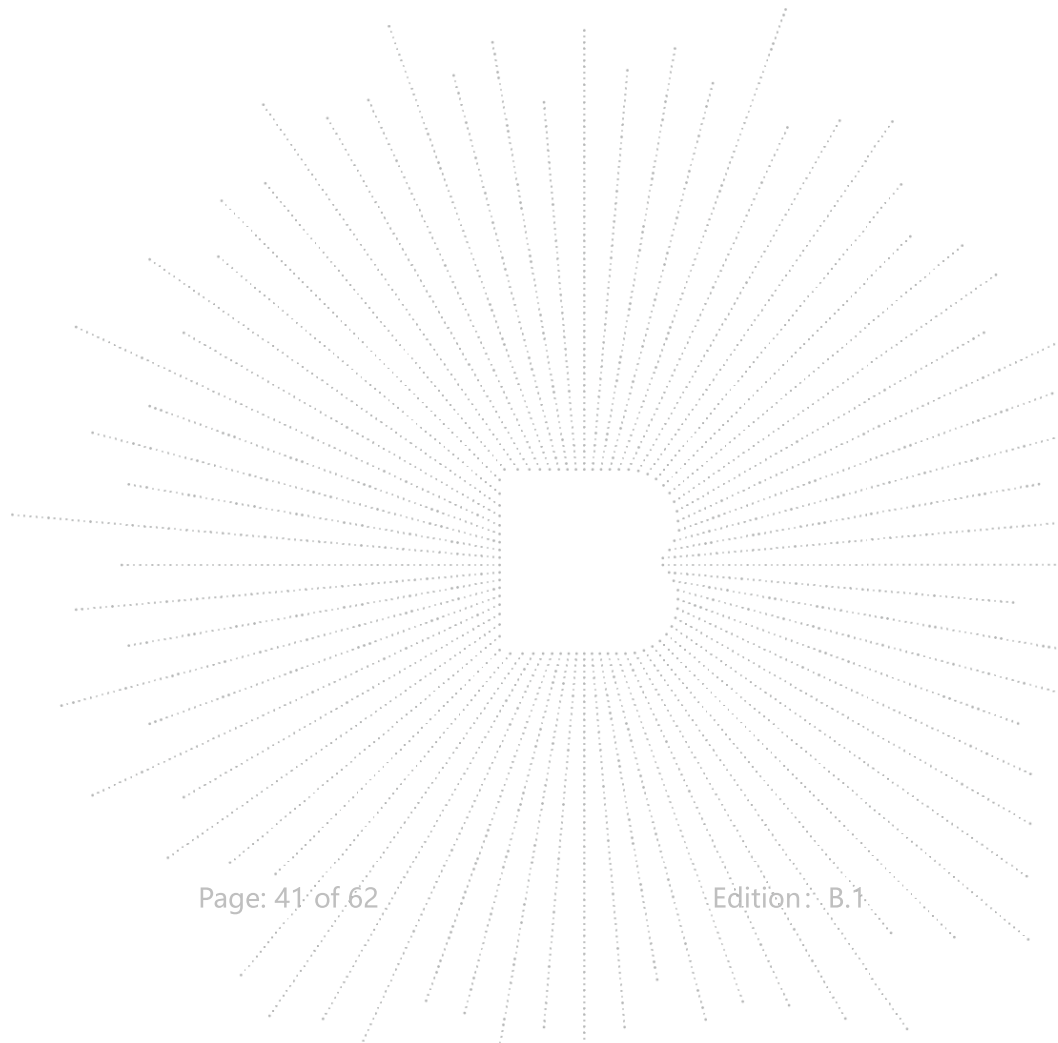
Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0



Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	2494.97	-16.71	-13	PASS
Band41	5	39675	25	#0	16QAM	2494.98	-17.23	-13	PASS
Band41	5	41565	25	#0	QPSK	2696.70	-31.69	-25	PASS
Band41	5	41565	25	#0	16QAM	2696.49	-33.98	-25	PASS
Band41	10	39700	50	#0	QPSK	2485.83	-31.16	-25	PASS
Band41	10	39700	50	#0	16QAM	2485.81	-31.92	-25	PASS
Band41	10	41540	50	#0	QPSK	2700.19	-34.76	-25	PASS
Band41	10	41540	50	#0	16QAM	2701.18	-37.42	-25	PASS
Band41	15	39725	75	#0	QPSK	2494.69	-23.46	-13	PASS
Band41	15	39725	75	#0	16QAM	2480.02	-36.22	-25	PASS
Band41	15	41515	75	#0	QPSK	2705.30	-37.16	-25	PASS
Band41	15	41515	75	#0	16QAM	2705.16	-34.87	-25	PASS
Band41	20	39750	100	#0	QPSK	2471.04	-37.74	-25	PASS
Band41	20	39750	100	#0	16QAM	2475.60	-38.72	-25	PASS
Band41	20	41490	100	#0	QPSK	2710.01	-38.26	-25	PASS
Band41	20	41490	100	#0	16QAM	2713.25	-38.65	-25	PASS

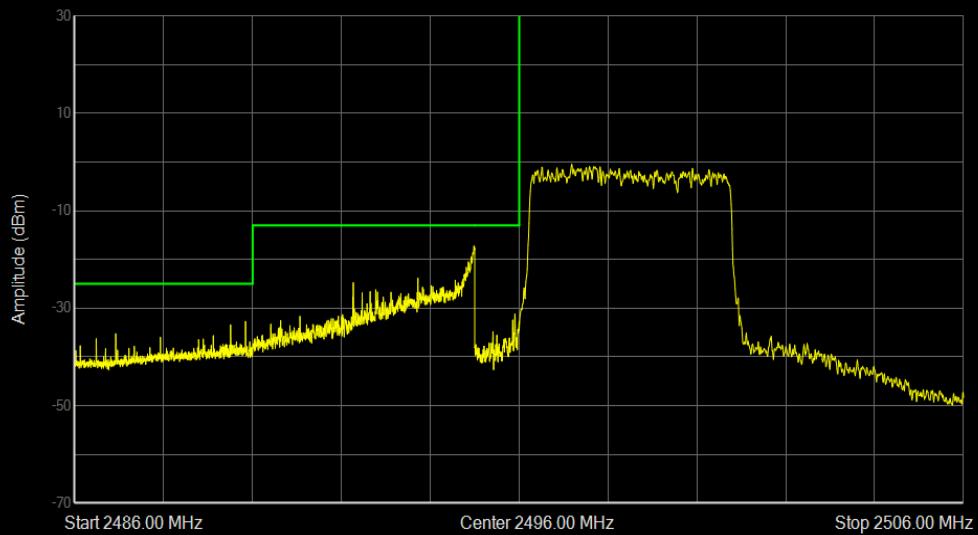
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0





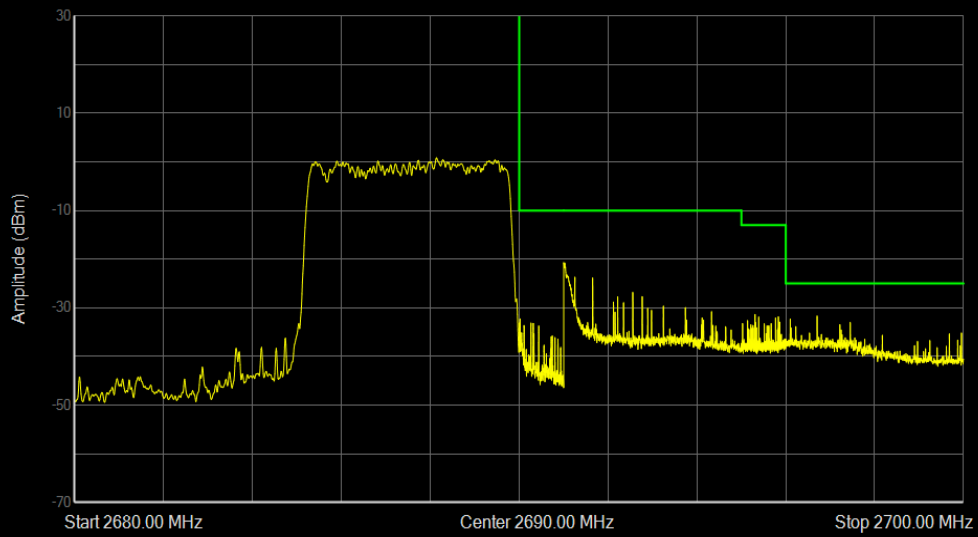
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2486	2490	1000	2489.944	-30.32	-25
2	2490	2495	1000	2494.97	-16.71	-13
3	2495	2496	51	2495.976	-28.01	-13

Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0



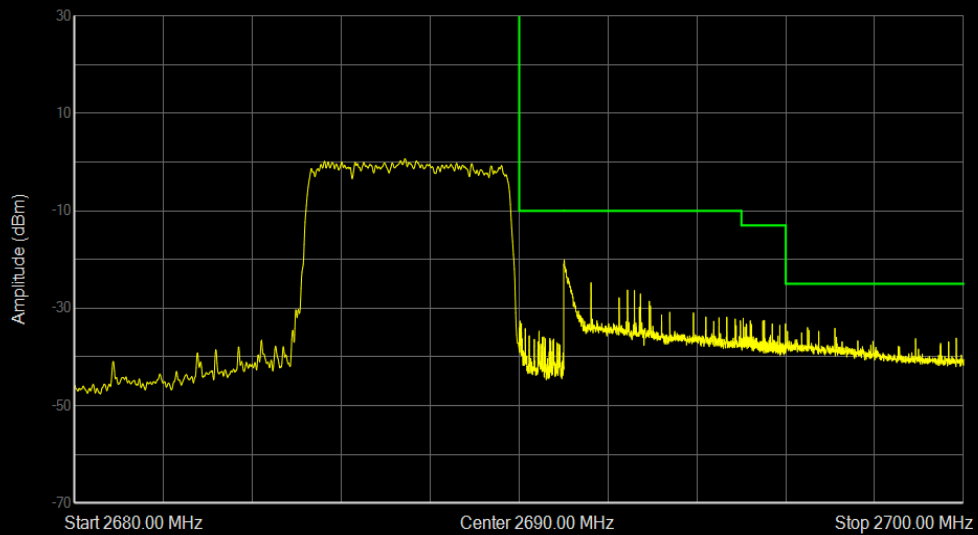
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2486	2490	1000	2489.84	-32.71	-25
2	2490	2495	1000	2494.98	-17.23	-13
3	2495	2496	51	2495.904	-31.21	-13

Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



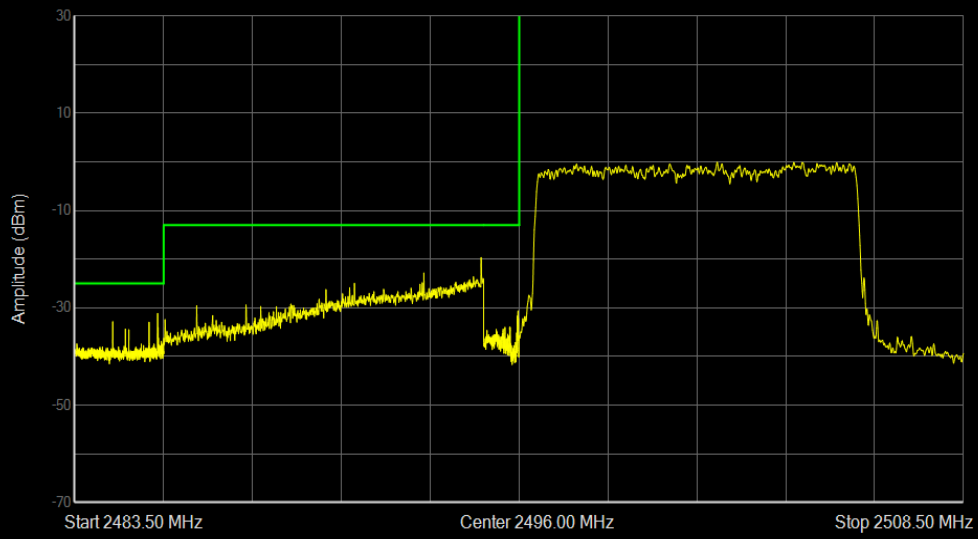
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	100	2690.02	-32.28	-10
2	2691	2695	1000	2691.024	-20.78	-10
3	2695	2696	1000	2695.307	-31.36	-13
4	2696	2700	1000	2696.704	-31.69	-25

Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



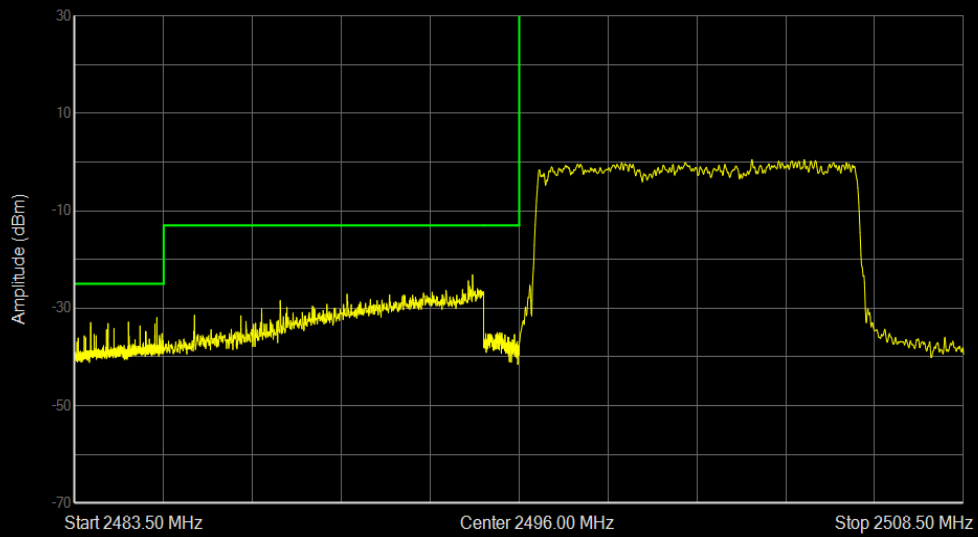
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	100	2690.019	-32.64	-10
2	2691	2695	1000	2691.012	-20.08	-10
3	2695	2696	1000	2695.041	-32.07	-13
4	2696	2700	1000	2696.488	-33.98	-25

Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



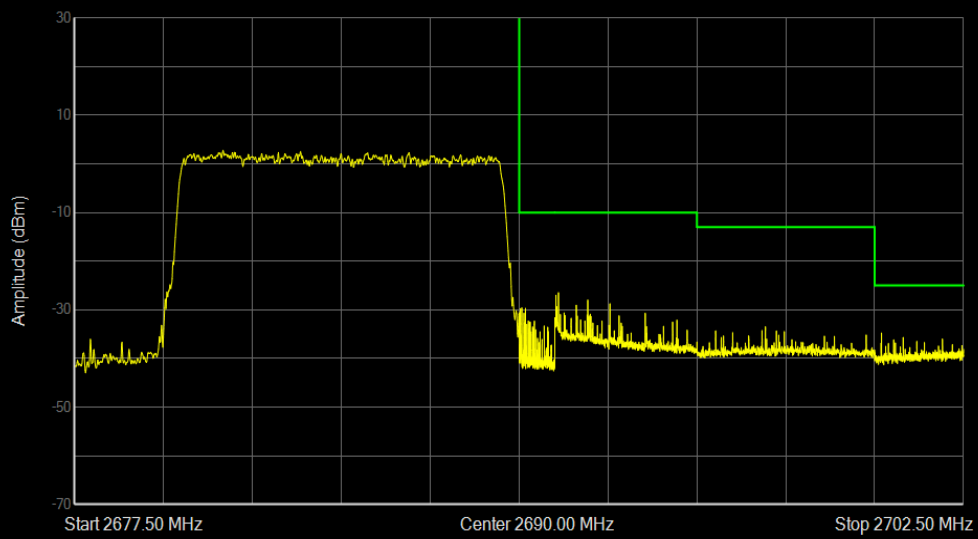
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2486	1000	2485.8275	-31.16	-25
2	2486	2495	1000	2494.928	-19.67	-13
3	2495	2496	100	2495.966	-30.62	-13

Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2486	1000	2485.805	-31.92	-25
2	2486	2495	1000	2494.685	-23.12	-13
3	2495	2496	100	2495.383	-34.99	-13

Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	200	2690.073	-29.6	-10
2	2691	2695	1000	2691.104	-26.48	-10
3	2695	2700	1000	2696.925	-33.48	-13
4	2700	2702.5	1000	2700.19	-34.76	-25

Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0



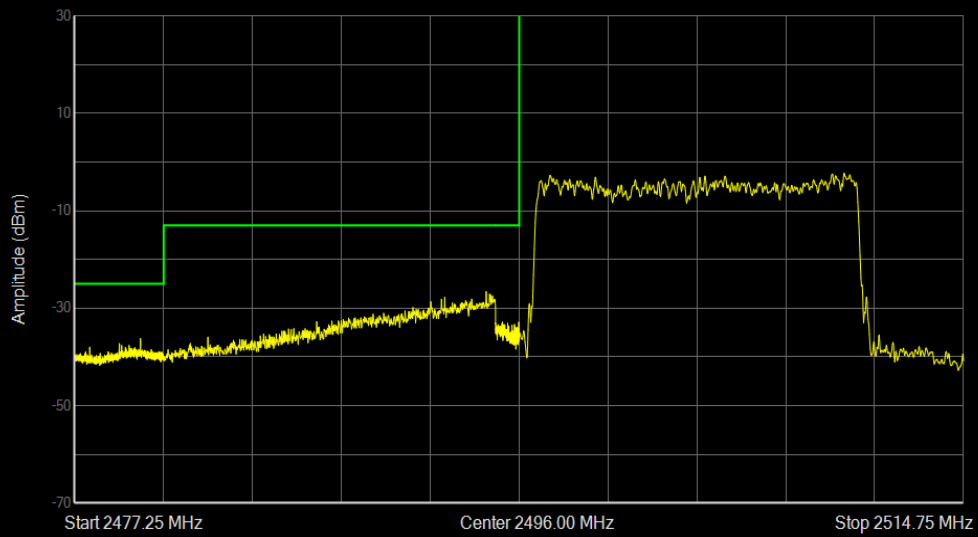
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	200	2690.029	-31.01	-10
2	2691	2695	1000	2691.008	-29.91	-10
3	2695	2700	1000	2696.185	-37.11	-13
4	2700	2702.5	1000	2701.175	-37.42	-25

Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



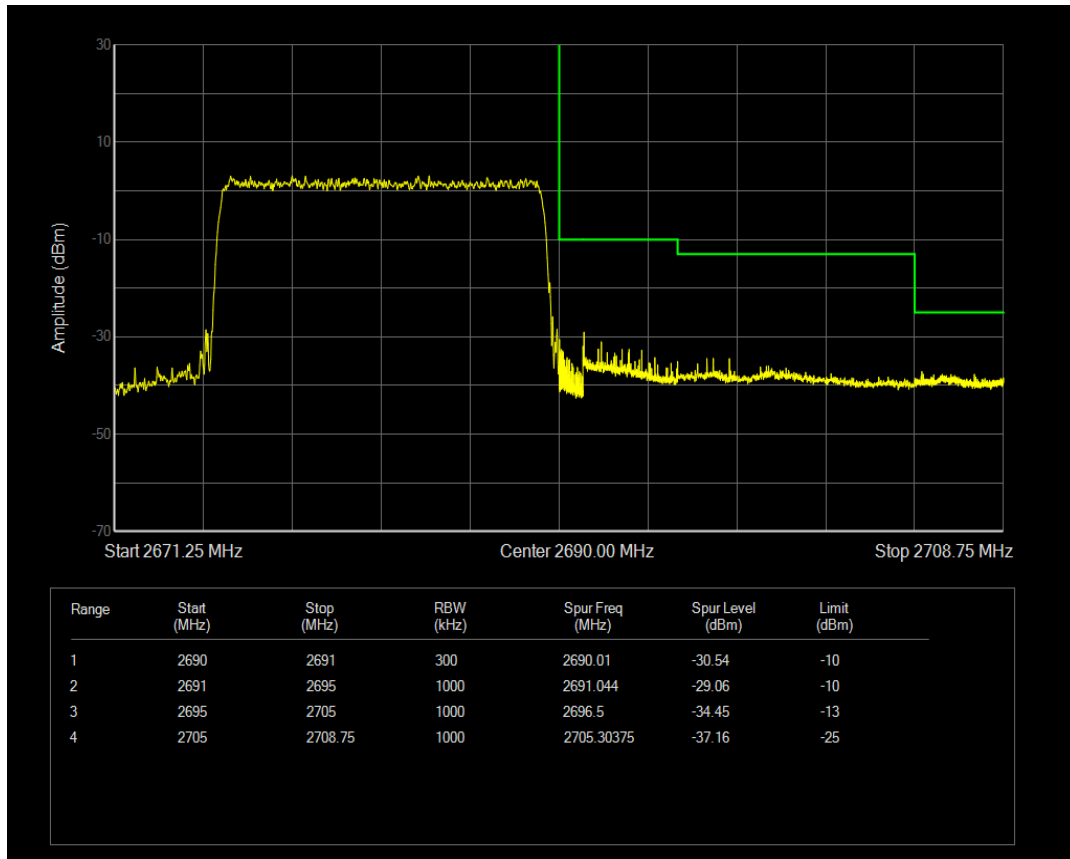
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2477.25	2481	1000	2479.53	-36.62	-25
2	2481	2495	1000	2494.692	-23.46	-13
3	2495	2496	150	2495.831	-30.06	-13

Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0

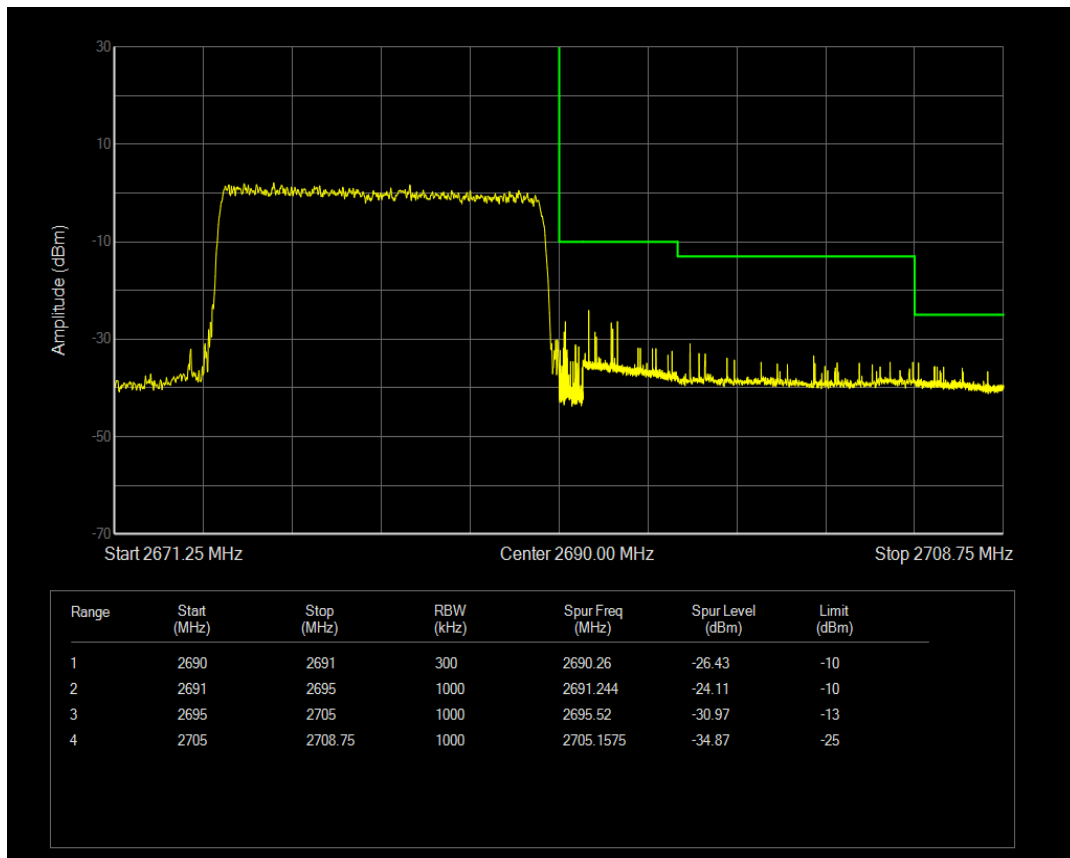


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2477.25	2481	1000	2480.0175	-36.22	-25
2	2481	2495	1000	2494.608	-26.58	-13
3	2495	2496	150	2495.98	-32.85	-13

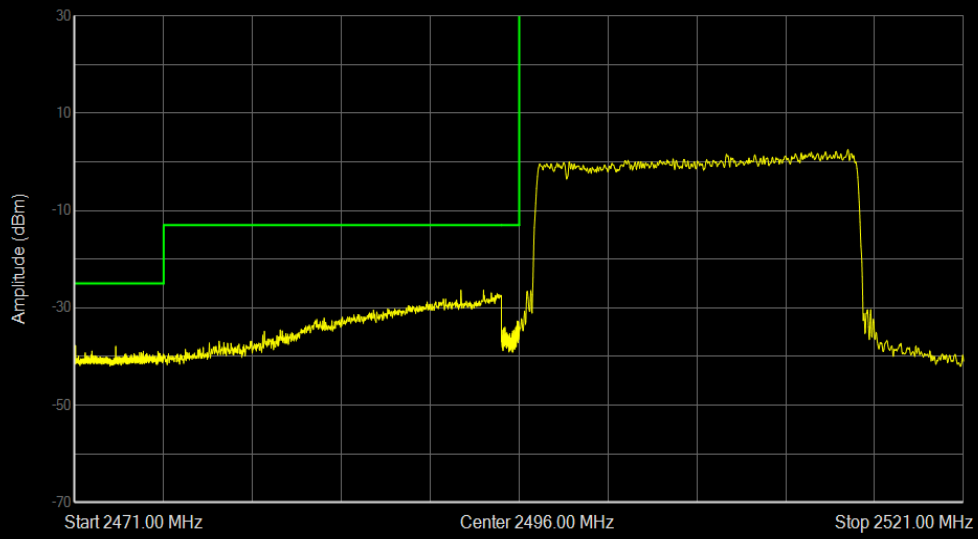
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0

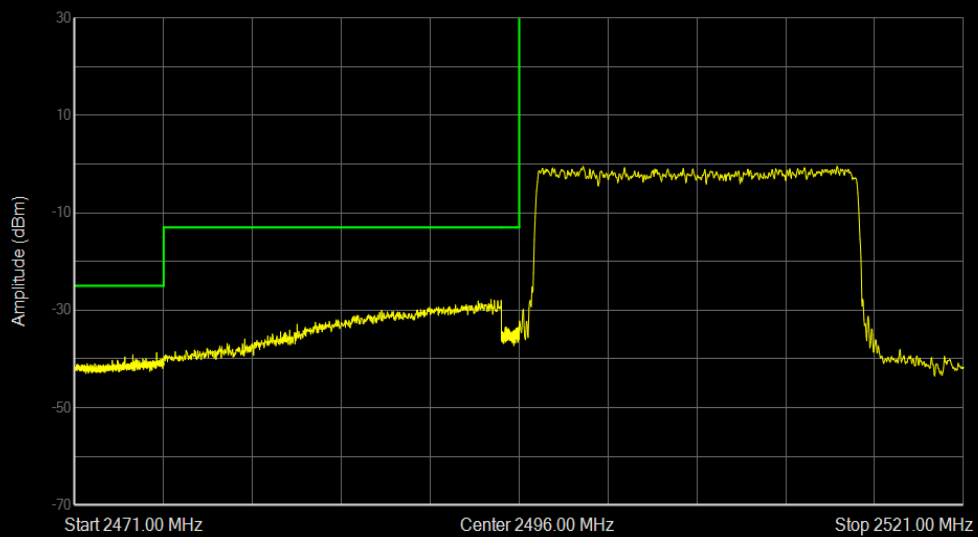


Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



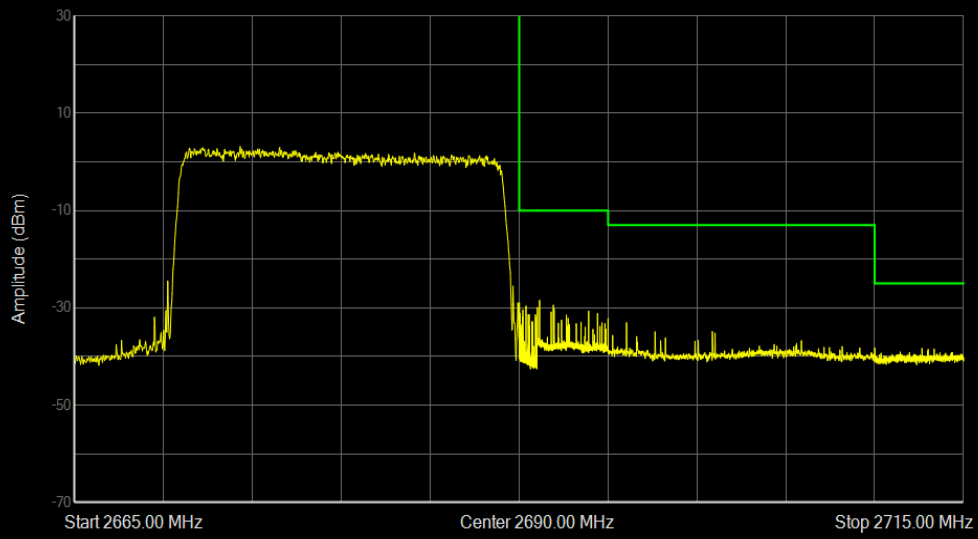
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2471	2476	1000	2471.035	-37.74	-25
2	2476	2495	1000	2493.993	-26.37	-13
3	2495	2496	200	2495.891	-32.72	-13

Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0



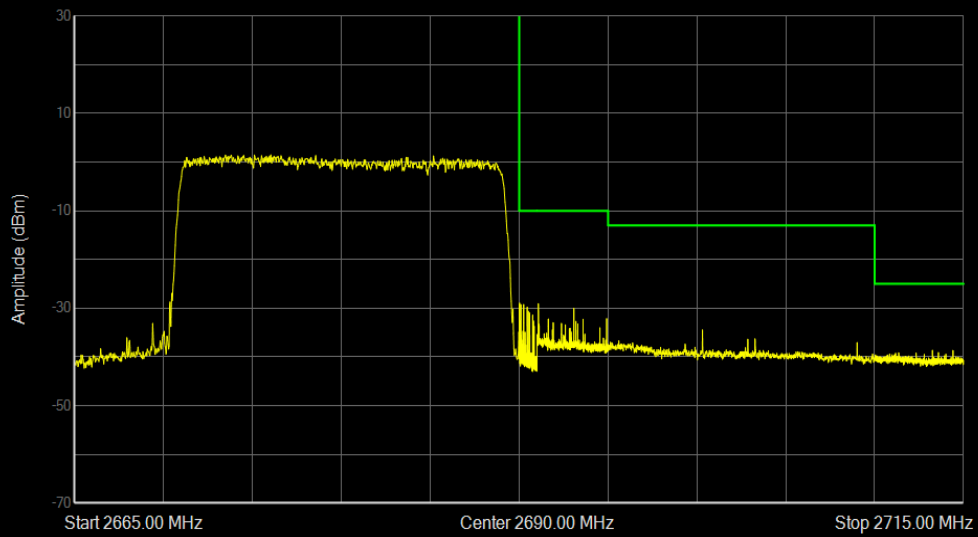
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2471	2476	1000	2475.6	-38.72	-25
2	2476	2495	1000	2494.411	-27.81	-13
3	2495	2496	200	2495.265	-33.49	-13

Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	430	2690.009	-28.99	-10
2	2691	2695	1000	2691.144	-28.46	-10
3	2695	2710	1000	2696.035	-33.05	-13
4	2710	2715	1000	2710.005	-38.26	-25

Band41 16QAM BW=20MHz Channel=41490 RB Size=100 Position=#0

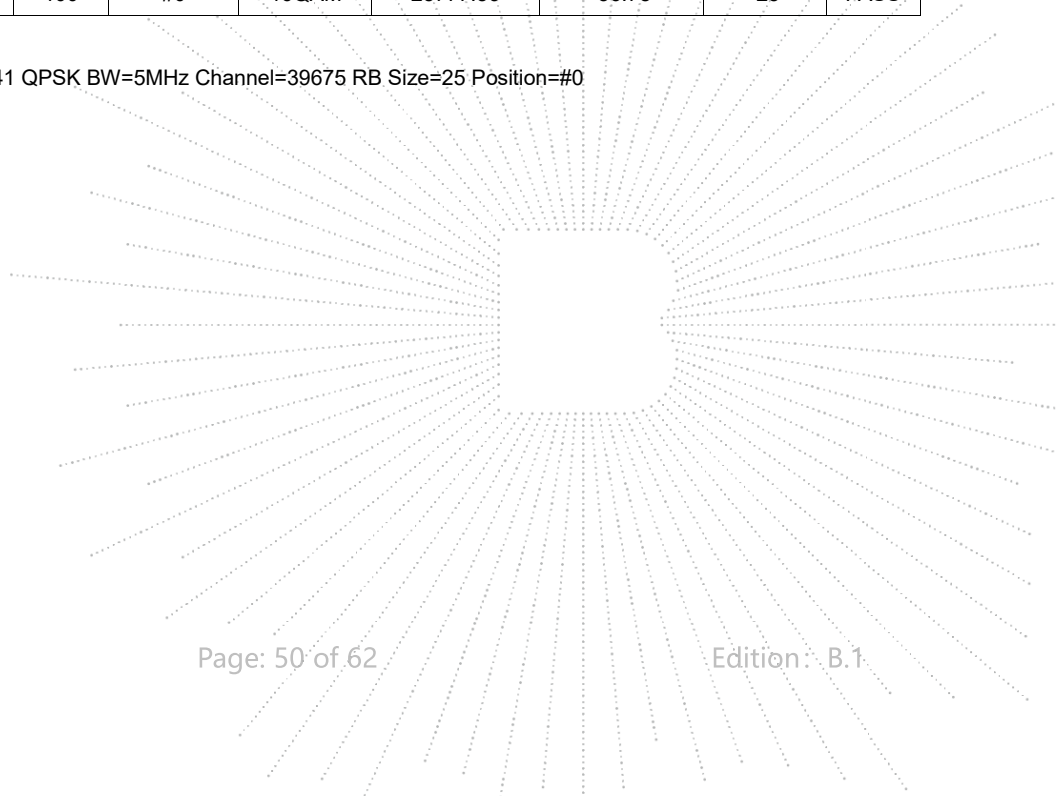


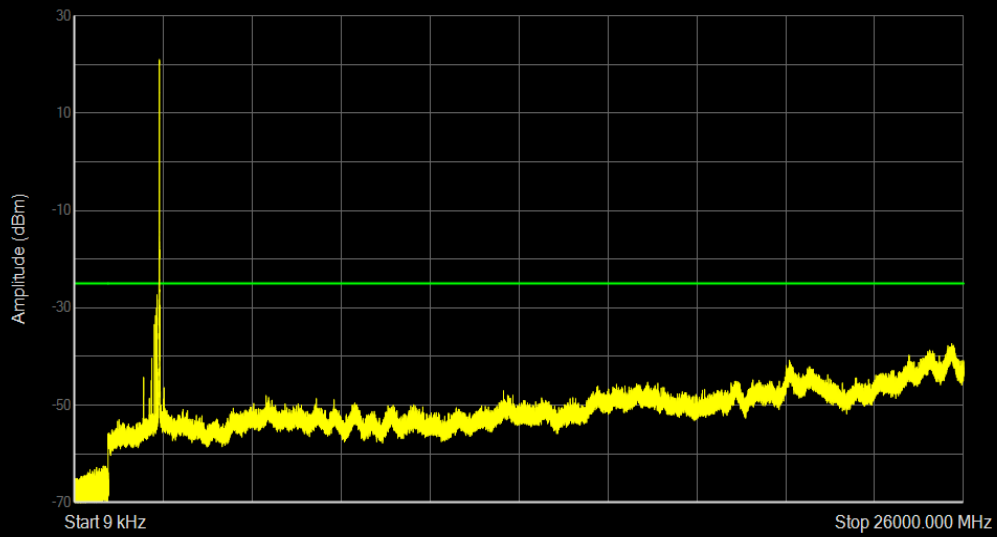
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	430	2690.021	-28.95	-10
2	2691	2695	1000	2691.072	-29.07	-10
3	2695	2710	1000	2700.31	-34.46	-13
4	2710	2715	1000	2713.25	-38.65	-25

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
Band41	5	39675	25	#0	QPSK	2431.25	-27.33	-25	PASS
Band41	5	39675	25	#0	16QAM	2431.25	-28.20	-25	PASS
Band41	5	40620	25	#0	QPSK	25708.75	-36.64	-25	PASS
Band41	5	40620	25	#0	16QAM	25641.88	-36.48	-25	PASS
Band41	5	41565	25	#0	QPSK	2433.75	-36.23	-25	PASS
Band41	5	41565	25	#0	16QAM	2740.00	-28.56	-25	PASS
Band41	10	39700	50	#0	QPSK	2390.00	-28.36	-25	PASS
Band41	10	39700	50	#0	16QAM	2342.50	-33.83	-25	PASS
Band41	10	40620	50	#0	QPSK	25616.88	-36.25	-25	PASS
Band41	10	40620	50	#0	16QAM	25659.38	-36.94	-25	PASS
Band41	10	41540	50	#0	QPSK	2731.88	-25.97	-25	PASS
Band41	10	41540	50	#0	16QAM	2750.63	-33.46	-25	PASS
Band41	15	39725	75	#0	QPSK	2431.88	-30.32	-25	PASS
Band41	15	39725	75	#0	16QAM	2416.25	-26.47	-25	PASS
Band41	15	40620	75	#0	QPSK	2433.13	-32.29	-25	PASS
Band41	15	40620	75	#0	16QAM	2371.88	-34.18	-25	PASS
Band41	15	41515	75	#0	QPSK	25611.88	-37.30	-25	PASS
Band41	15	41515	75	#0	16QAM	25616.88	-36.1	-25	PASS
Band41	20	39750	100	#0	QPSK	2350.00	-31.57	-25	PASS
Band41	20	39750	100	#0	16QAM	2339.38	-36.76	-25	PASS
Band41	20	40620	100	#0	QPSK	25673.13	-37.14	-25	PASS
Band41	20	40620	100	#0	16QAM	2386.25	-31.59	-25	PASS
Band41	20	41490	100	#0	QPSK	2415.00	-36.54	-25	PASS
Band41	20	41490	100	#0	16QAM	25777.50	-36.78	-25	PASS

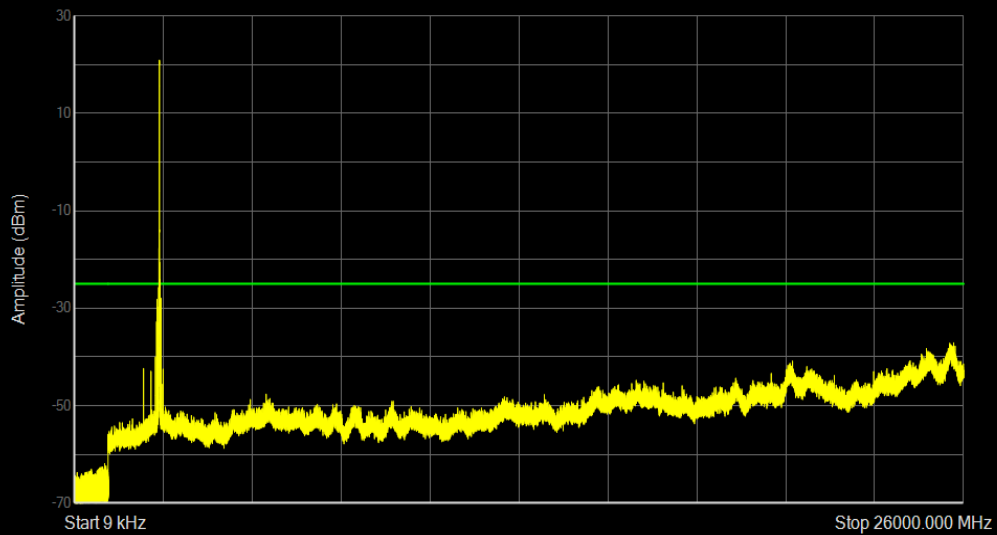
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0





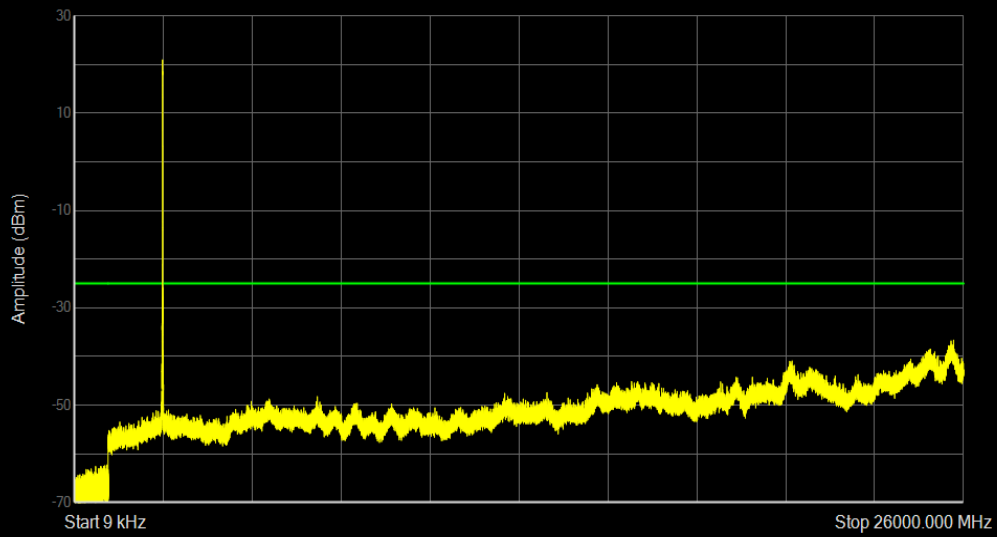
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.84	-25
2	0.15	30	10	0.1514925	-59.4	-25
3	30	1000	100	858.768	-62.52	-25
4	1000	26000	1000	2431.25	-27.33	-25

Band41 16QAM BW=5MHz Channel=39675 RB Size=25 Position=#0

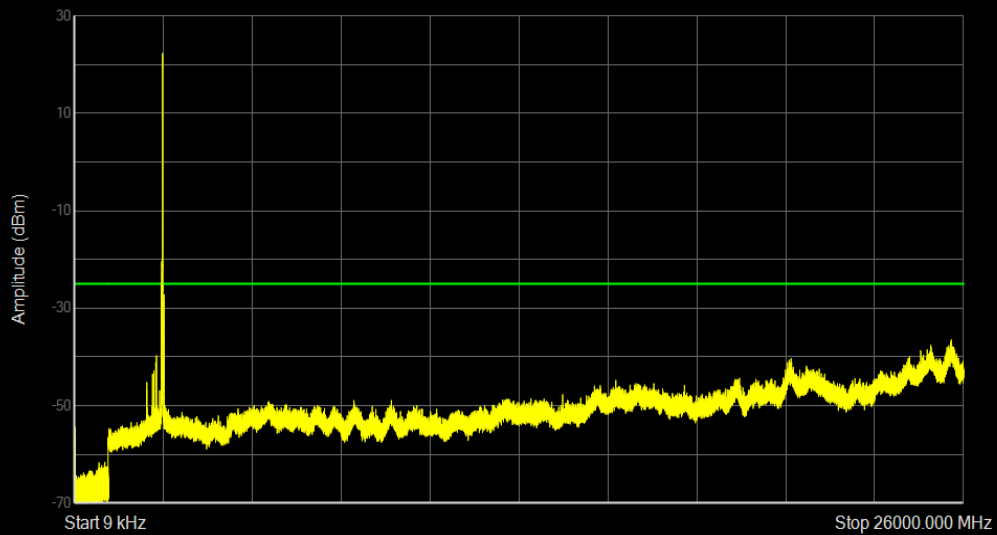


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009243225	-58.45	-25
2	0.15	30	10	0.15	-59.78	-25
3	30	1000	100	899.33825	-61.91	-25
4	1000	26000	1000	2431.25	-28.2	-25

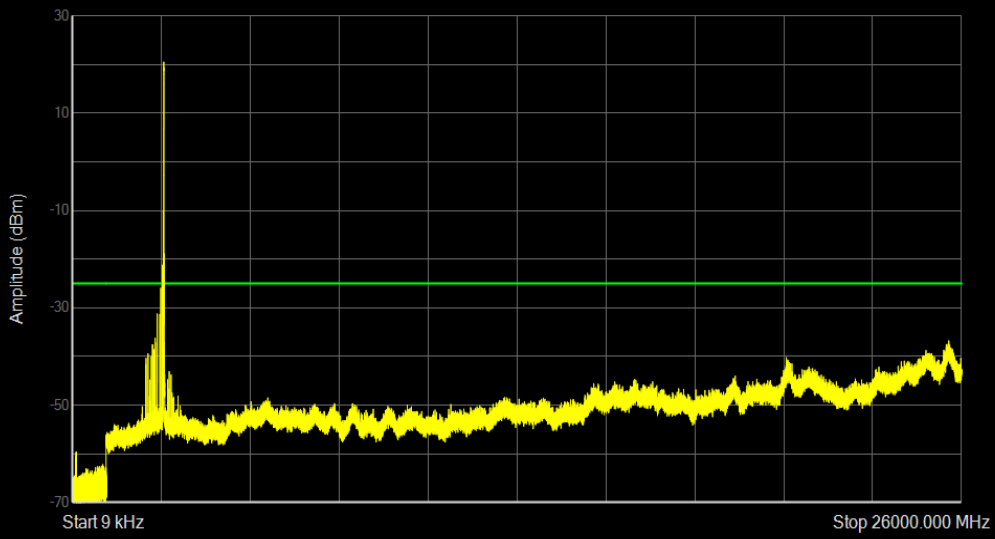
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



Band41 16QAM BW=5MHz Channel=40620 RB Size=25 Position=#0

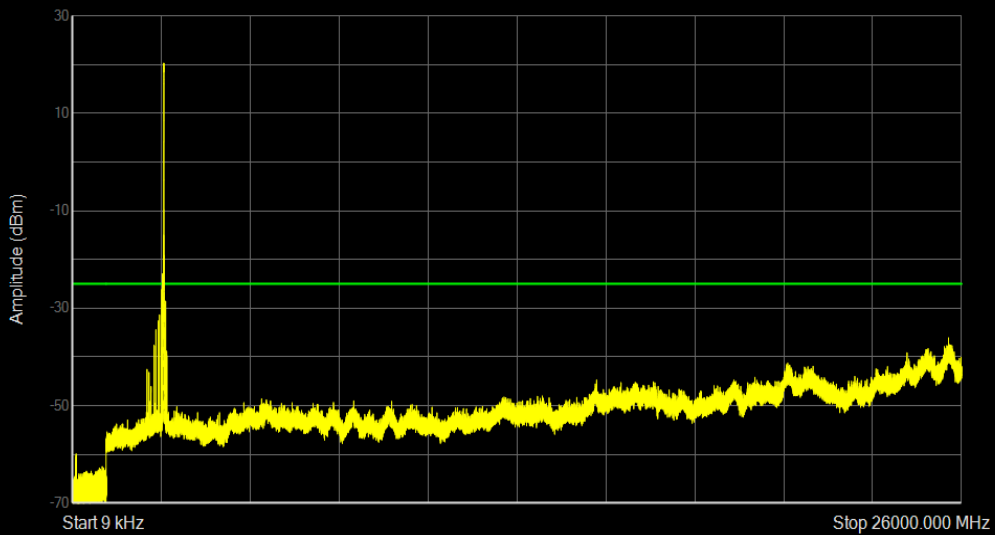


Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



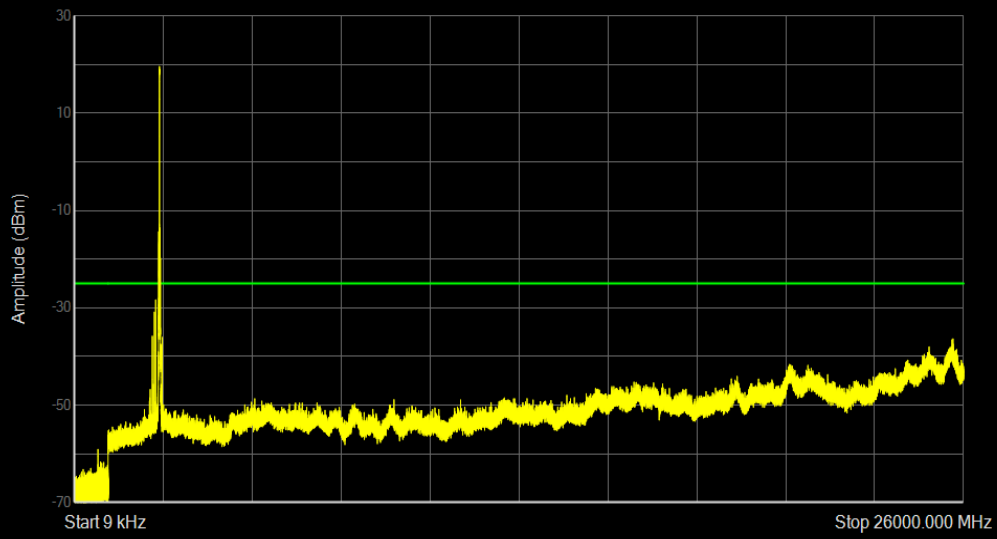
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-59.17	-25
2	0.15	30	10	0.1514925	-59.68	-25
3	30	1000	100	126.2725	-59.67	-25
4	1000	26000	1000	2433.75	-36.23	-25

Band41 16QAM BW=5MHz Channel=41565 RB Size=25 Position=#0



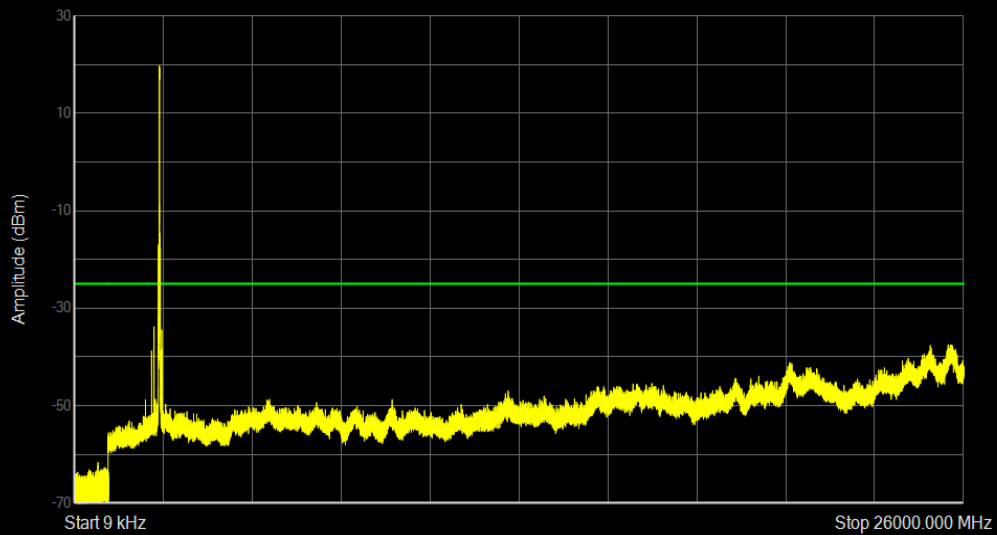
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.74	-25
2	0.15	30	10	0.15	-60.7	-25
3	30	1000	100	125.90875	-59.9	-25
4	1000	26000	1000	2740	-28.56	-25

Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



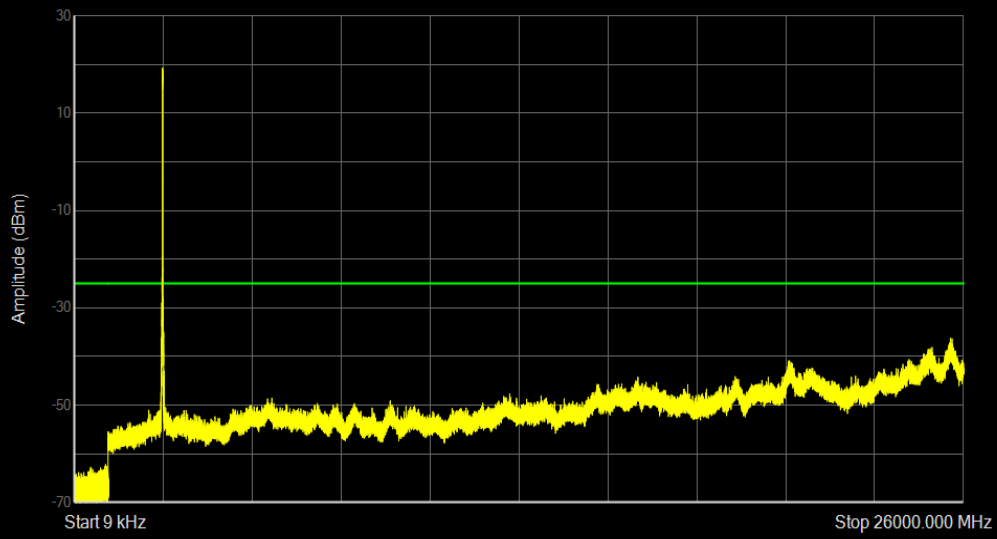
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.04	-25
2	0.15	30	10	0.1723875	-60.74	-25
3	30	1000	100	705.48375	-59.09	-25
4	1000	26000	1000	2390	-28.36	-25

Band41 16QAM BW=10MHz Channel=39700 RB Size=50 Position=#0



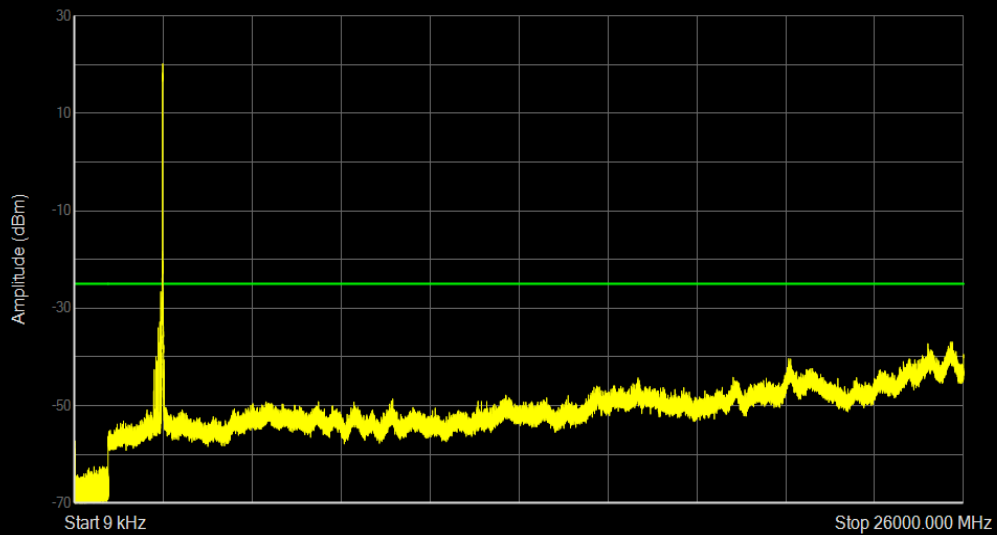
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01020555	-57.64	-25
2	0.15	30	10	0.158955	-59.68	-25
3	30	1000	100	705.0715	-61.7	-25
4	1000	26000	1000	2342.5	-33.83	-25

Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



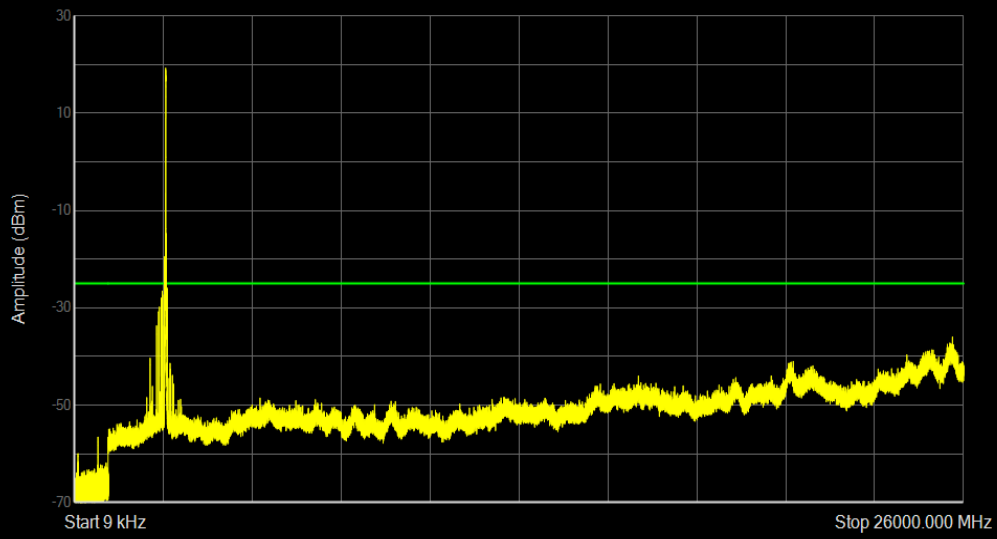
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0100293	-60.32	-25
2	0.15	30	10	0.1664175	-59.21	-25
3	30	1000	100	925.4555	-62.19	-25
4	1000	26000	1000	25616.875	-36.25	-25

Band41 16QAM BW=10MHz Channel=40620 RB Size=50 Position=#0



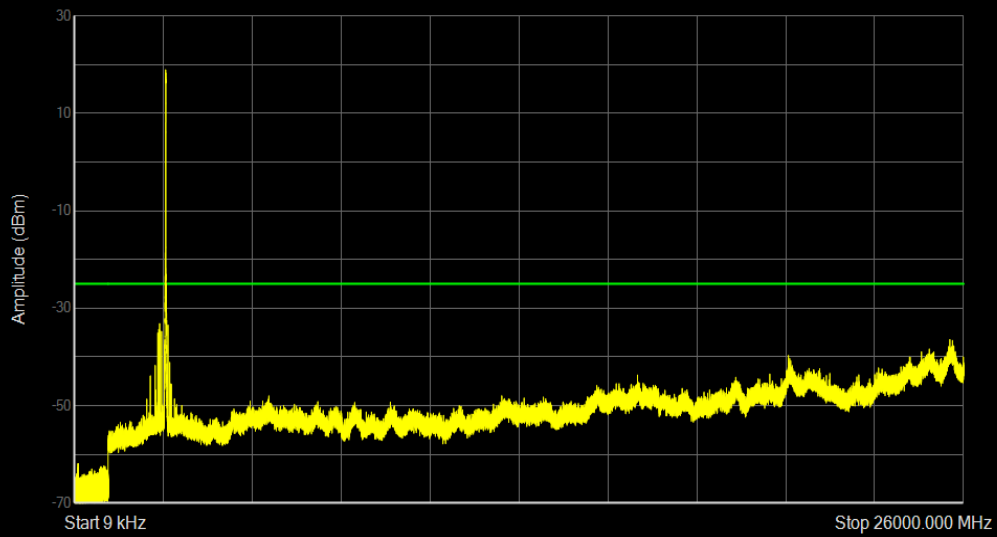
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091128	-59.04	-25
2	0.15	30	10	0.15223875	-57.83	-25
3	30	1000	100	31.18825	-57.27	-25
4	1000	26000	1000	25659.375	-36.94	-25

Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



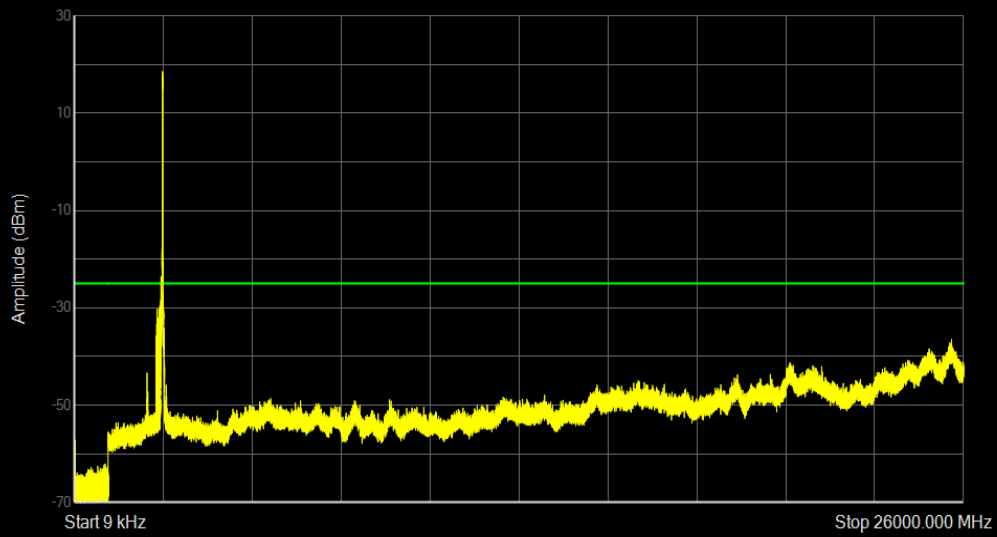
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00934545	-57.12	-25
2	0.15	30	10	0.15522375	-58.17	-25
3	30	1000	100	705.12	-56.59	-25
4	1000	26000	1000	2731.875	-25.97	-25

Band41 16QAM BW=10MHz Channel=41540 RB Size=50 Position=#0



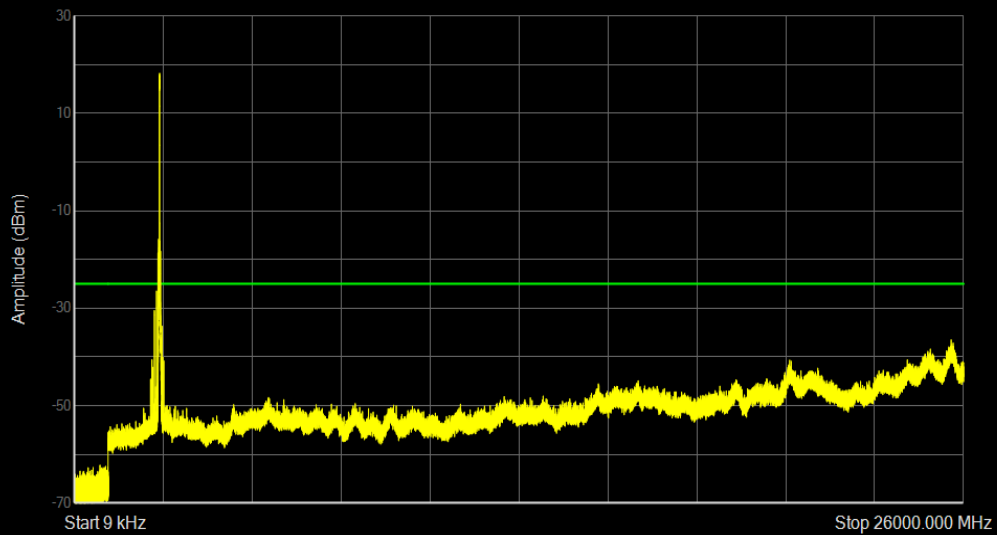
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011449875	-59.94	-25
2	0.15	30	10	0.158955	-59.87	-25
3	30	1000	100	123.19275	-61.92	-25
4	1000	26000	1000	2750.625	-33.46	-25

Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



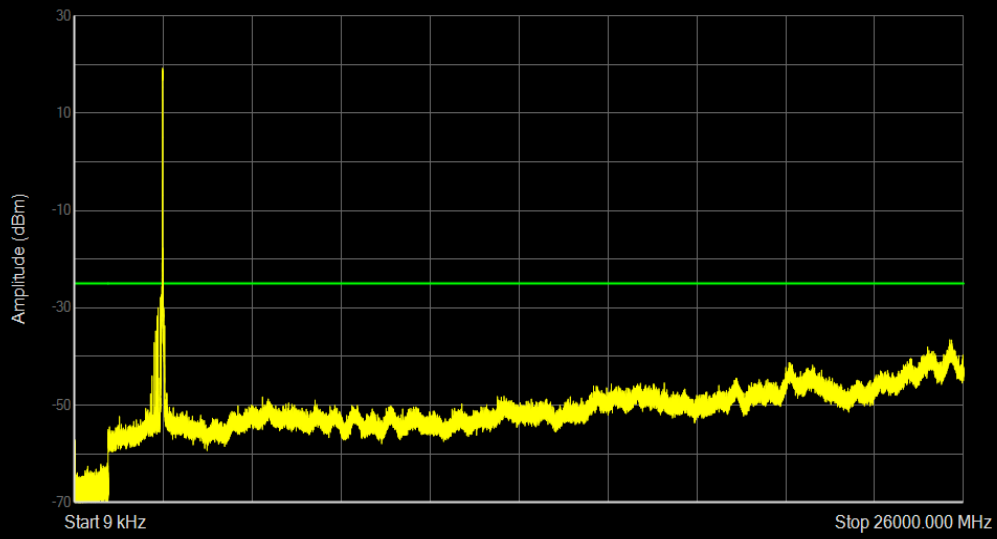
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009560475	-58.81	-25
2	0.15	30	10	0.15	-60.05	-25
3	30	1000	100	30.7275	-57.2	-25
4	1000	26000	1000	2431.875	-30.32	-25

Band41 16QAM BW=15MHz Channel=39725 RB Size=75 Position=#0



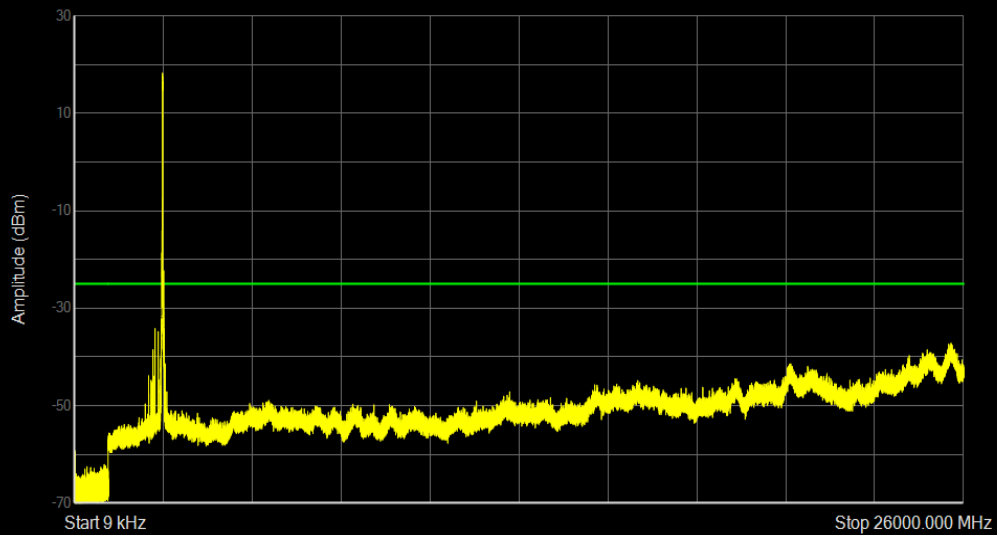
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-56.12	-25
2	0.15	30	10	0.15	-58.67	-25
3	30	1000	100	763.902	-62.24	-25
4	1000	26000	1000	2416.25	-26.47	-25

Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



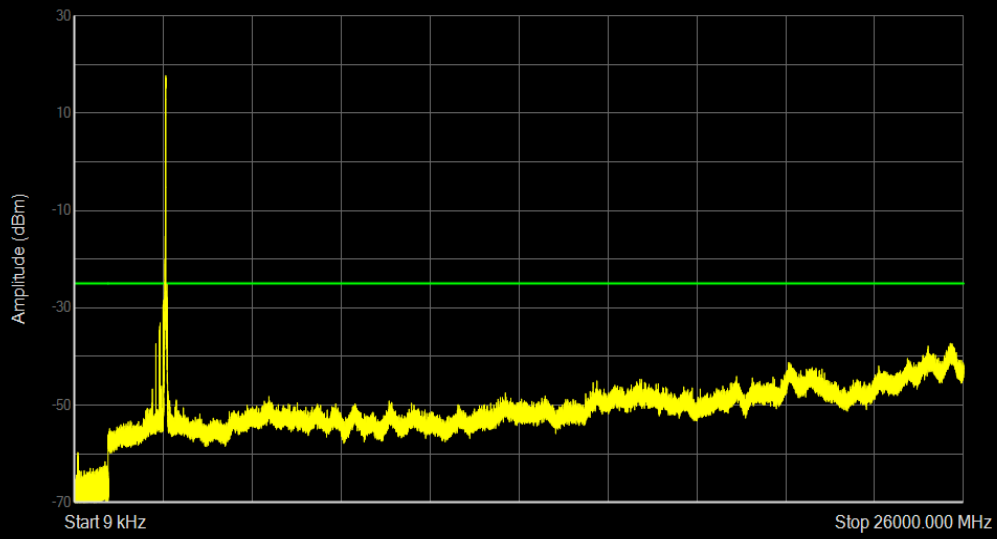
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-58.66	-25
2	0.15	30	10	0.15074625	-59.07	-25
3	30	1000	100	33.56475	-57.18	-25
4	1000	26000	1000	2433.125	-32.29	-25

Band41 16QAM BW=15MHz Channel=40620 RB Size=75 Position=#0



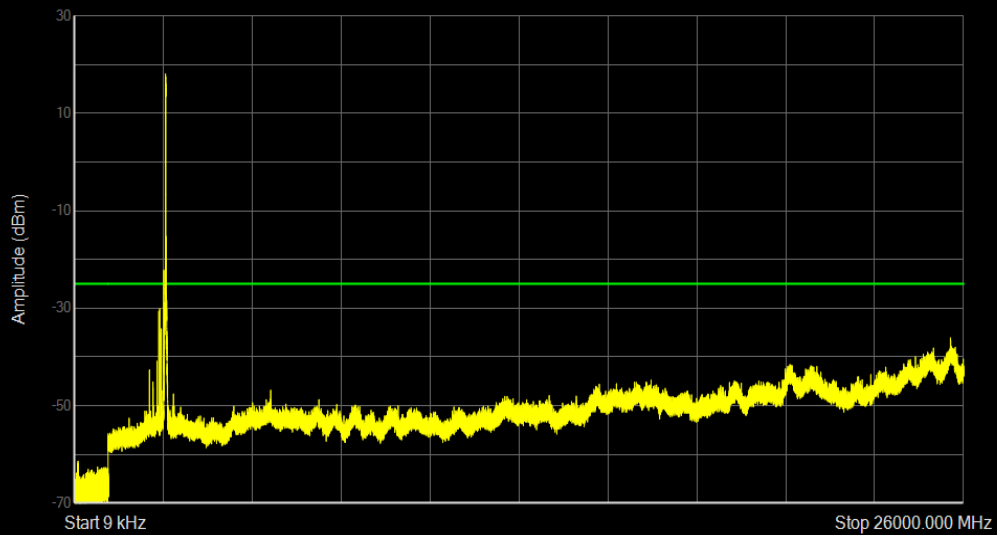
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009426525	-58.04	-25
2	0.15	30	10	0.15373125	-59.87	-25
3	30	1000	100	34.29225	-59.24	-25
4	1000	26000	1000	2371.875	-34.18	-25

Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



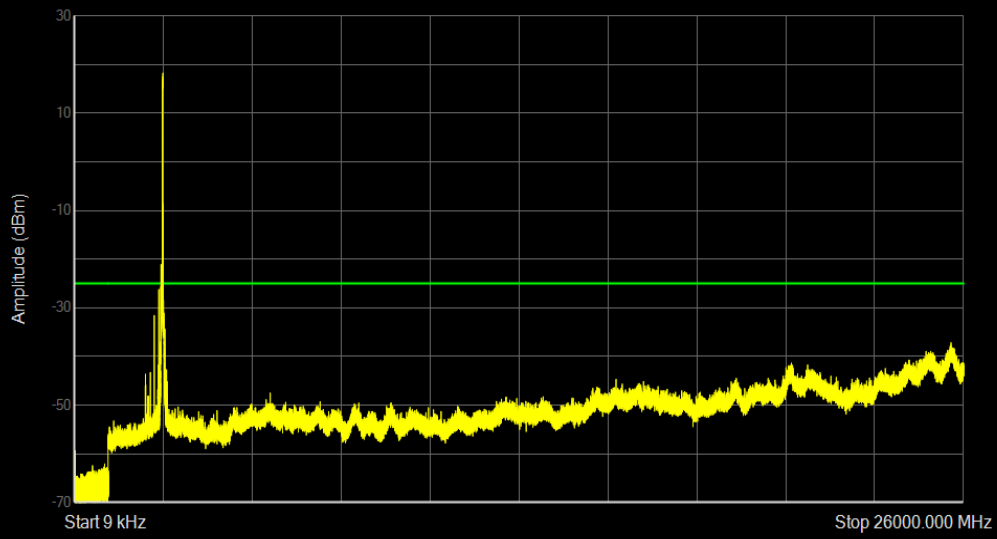
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00945825	-57.93	-25
2	0.15	30	10	0.15820875	-60.01	-25
3	30	1000	100	119.26425	-59.75	-25
4	1000	26000	1000	25611.875	-37.3	-25

Band41 16QAM BW=15MHz Channel=41515 RB Size=75 Position=#0



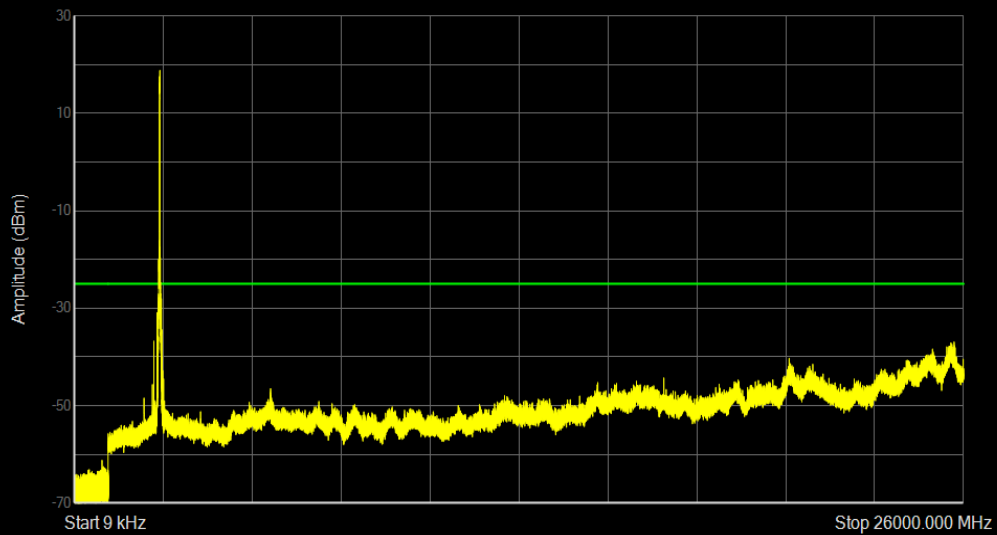
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011538	-58.65	-25
2	0.15	30	10	0.15820875	-58.79	-25
3	30	1000	100	122.344	-61.4	-25
4	1000	26000	1000	25616.875	-36.1	-25

Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



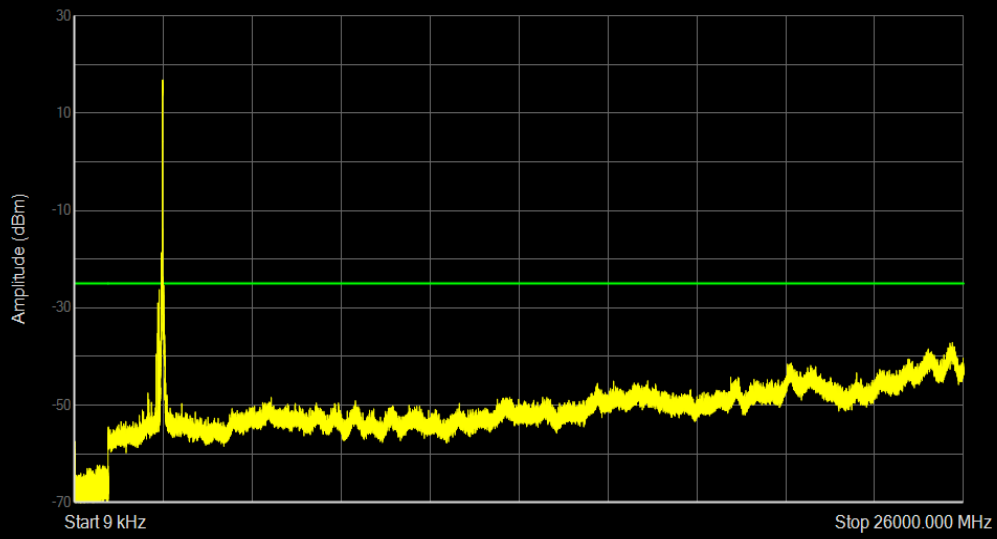
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01140405	-57.66	-25
2	0.15	30	10	0.16194	-60.5	-25
3	30	1000	100	30.873	-59.36	-25
4	1000	26000	1000	2350	-31.57	-25

Band41 16QAM BW=20MHz Channel=39750 RB Size=100 Position=#0



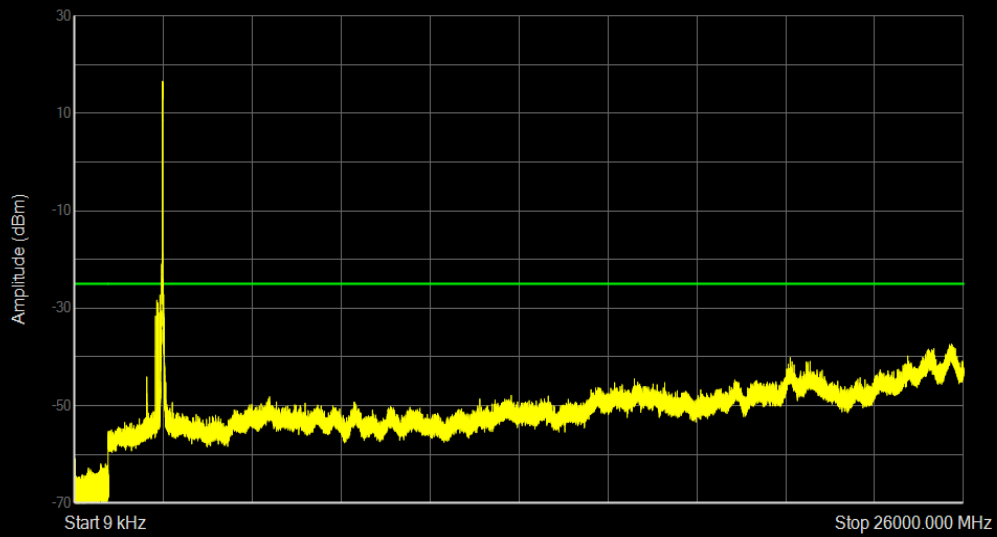
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-57.12	-25
2	0.15	30	10	0.15522375	-59.38	-25
3	30	1000	100	824.01775	-61.26	-25
4	1000	26000	1000	2339.375	-36.76	-25

Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



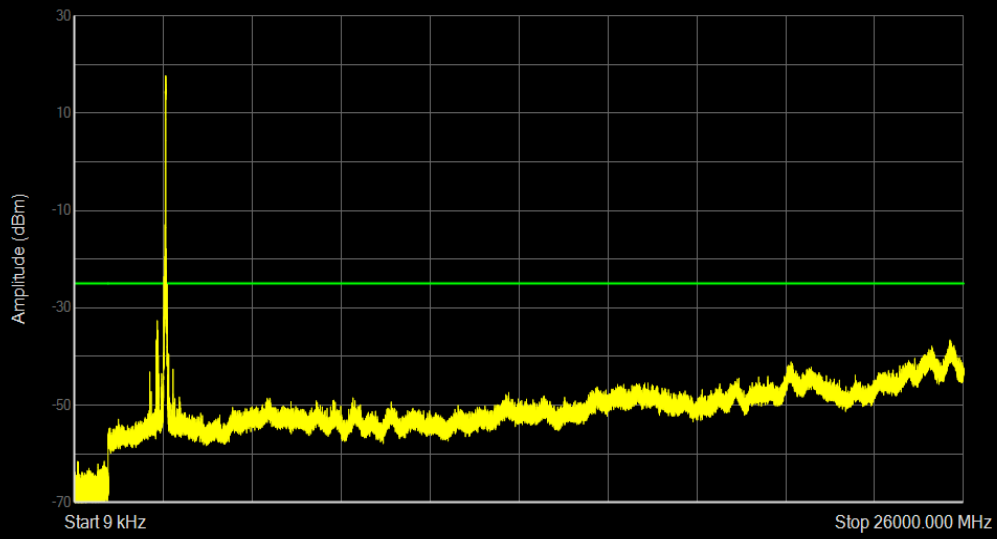
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010519275	-58.57	-25
2	0.15	30	10	0.15522375	-60.84	-25
3	30	1000	100	32.0855	-57.46	-25
4	1000	26000	1000	25673.125	-37.14	-25

Band41 16QAM BW=20MHz Channel=40620 RB Size=100 Position=#0



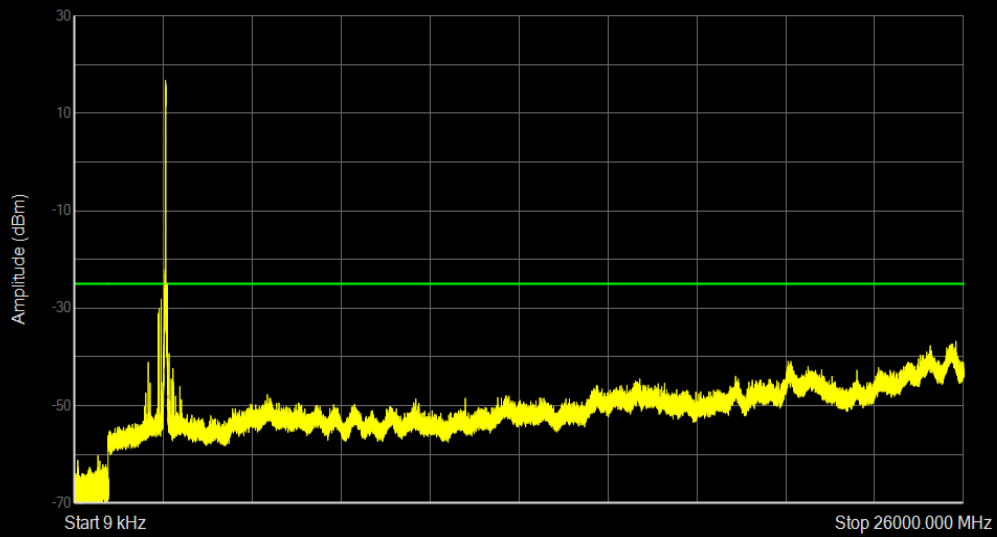
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011386425	-59.84	-25
2	0.15	30	10	0.1514925	-60.56	-25
3	30	1000	100	33.07975	-60.89	-25
4	1000	26000	1000	2386.25	-31.59	-25

Band41 QPSK BW=20MHz Channel=41490 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	0.0104523	-59.28	-25
2	0.15	30	10	0.15	-59.3	-25
3	30	1000	100	889.05625	-61.54	-25
4	1000	26000	1000	2415	-36.54	-25

Band41 16QAM BW=20MHz Channel=41490 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	0.009074025	-56.32	-25
2	0.15	30	10	0.15	-60	-25
3	30	1000	100	703.98025	-60.29	-25
4	1000	26000	1000	25777.5	-36.78	-25