

Appendix for Band 17

Report No.: BCTC2504135595-3E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart IoT 4G Router

Test Model: TR40

Tested Date: 2025-04-03 to 2025-05-16

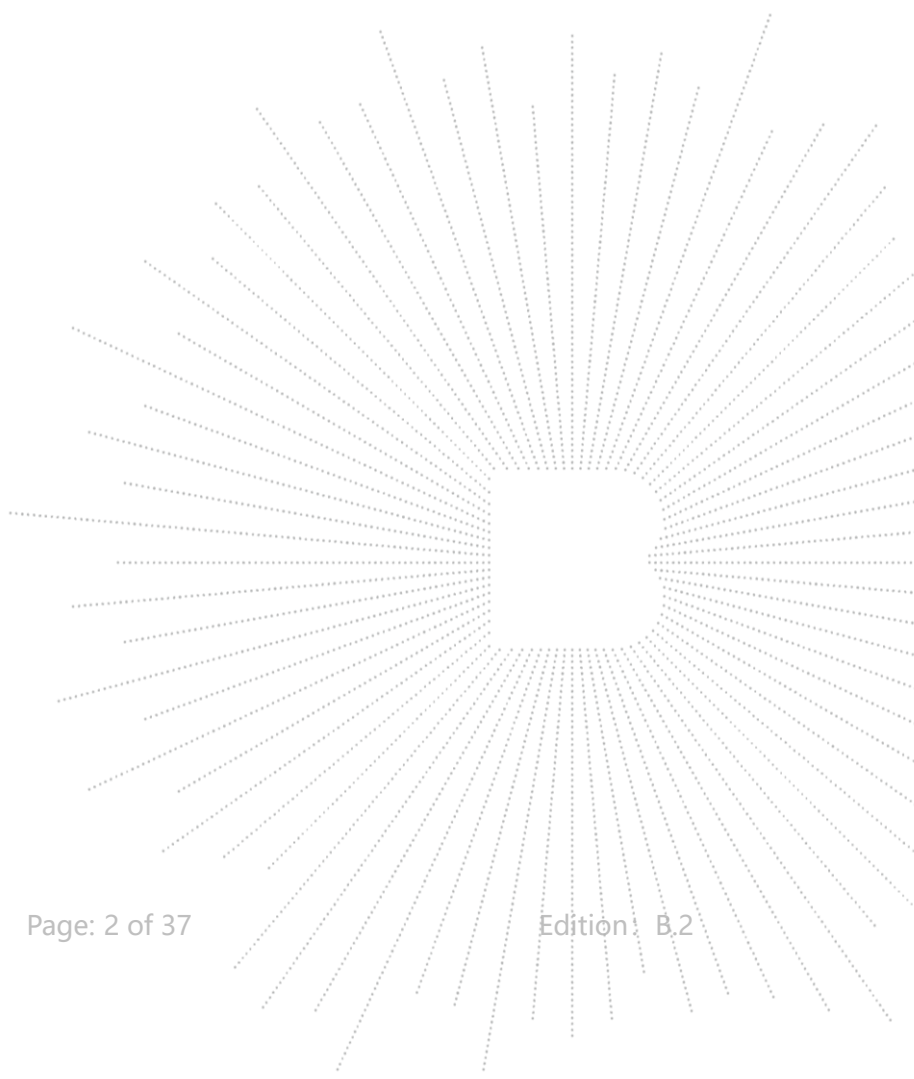
Issued Date: 2025-05-22

Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	22.54	PASS
Band17	5	23755	1	#Mid	QPSK	22.55	PASS
Band17	5	23755	1	#Max	QPSK	22.79	PASS
Band17	5	23755	12	#0	QPSK	21.81	PASS
Band17	5	23755	12	#Mid	QPSK	21.73	PASS
Band17	5	23755	12	#Max	QPSK	21.90	PASS
Band17	5	23755	25	#0	QPSK	21.85	PASS
Band17	5	23755	1	#0	16QAM	21.41	PASS
Band17	5	23755	1	#Mid	16QAM	21.42	PASS
Band17	5	23755	1	#Max	16QAM	21.61	PASS
Band17	5	23755	12	#0	16QAM	20.57	PASS
Band17	5	23755	12	#Mid	16QAM	20.53	PASS
Band17	5	23755	12	#Max	16QAM	20.90	PASS
Band17	5	23755	25	#0	16QAM	20.75	PASS
Band17	5	23790	1	#0	QPSK	22.77	PASS
Band17	5	23790	1	#Mid	QPSK	22.32	PASS
Band17	5	23790	1	#Max	QPSK	22.43	PASS
Band17	5	23790	12	#0	QPSK	21.98	PASS
Band17	5	23790	12	#Mid	QPSK	21.47	PASS
Band17	5	23790	12	#Max	QPSK	21.50	PASS
Band17	5	23790	25	#0	QPSK	21.46	PASS
Band17	5	23790	1	#0	16QAM	22.25	PASS
Band17	5	23790	1	#Mid	16QAM	21.70	PASS
Band17	5	23790	1	#Max	16QAM	21.69	PASS
Band17	5	23790	12	#0	16QAM	20.93	PASS
Band17	5	23790	12	#Mid	16QAM	20.98	PASS
Band17	5	23790	12	#Max	16QAM	20.38	PASS
Band17	5	23790	25	#0	16QAM	20.85	PASS
Band17	5	23825	1	#0	QPSK	22.68	PASS
Band17	5	23825	1	#Mid	QPSK	22.46	PASS
Band17	5	23825	1	#Max	QPSK	22.51	PASS
Band17	5	23825	12	#0	QPSK	21.39	PASS
Band17	5	23825	12	#Mid	QPSK	21.90	PASS
Band17	5	23825	12	#Max	QPSK	21.94	PASS
Band17	5	23825	25	#0	QPSK	21.89	PASS
Band17	5	23825	1	#0	16QAM	21.66	PASS
Band17	5	23825	1	#Mid	16QAM	22.03	PASS
Band17	5	23825	1	#Max	16QAM	21.59	PASS
Band17	5	23825	12	#0	16QAM	20.30	PASS
Band17	5	23825	12	#Mid	16QAM	20.92	PASS

Band17	5	23825	12	#Max	16QAM	20.94	PASS
Band17	5	23825	25	#0	16QAM	21.14	PASS
Band17	10	23780	1	#0	QPSK	22.54	PASS
Band17	10	23780	1	#Mid	QPSK	22.86	PASS
Band17	10	23780	1	#Max	QPSK	22.50	PASS
Band17	10	23780	25	#0	QPSK	21.76	PASS
Band17	10	23780	25	#Mid	QPSK	22.01	PASS
Band17	10	23780	25	#Max	QPSK	21.47	PASS
Band17	10	23780	50	#0	QPSK	22.01	PASS
Band17	10	23780	1	#0	16QAM	22.83	PASS
Band17	10	23780	1	#Mid	16QAM	22.98	PASS
Band17	10	23780	1	#Max	16QAM	23.01	PASS
Band17	10	23780	25	#0	16QAM	20.53	PASS
Band17	10	23780	25	#Mid	16QAM	20.85	PASS
Band17	10	23780	25	#Max	16QAM	20.39	PASS
Band17	10	23780	50	#0	16QAM	20.83	PASS
Band17	10	23790	1	#0	QPSK	22.64	PASS
Band17	10	23790	1	#Mid	QPSK	22.49	PASS
Band17	10	23790	1	#Max	QPSK	22.35	PASS
Band17	10	23790	25	#0	QPSK	22.08	PASS
Band17	10	23790	25	#Mid	QPSK	21.43	PASS
Band17	10	23790	25	#Max	QPSK	21.52	PASS
Band17	10	23790	50	#0	QPSK	21.42	PASS
Band17	10	23790	1	#0	16QAM	21.80	PASS
Band17	10	23790	1	#Mid	16QAM	21.52	PASS
Band17	10	23790	1	#Max	16QAM	21.95	PASS
Band17	10	23790	25	#0	16QAM	20.95	PASS
Band17	10	23790	25	#Mid	16QAM	20.99	PASS
Band17	10	23790	25	#Max	16QAM	20.44	PASS
Band17	10	23790	50	#0	16QAM	21.02	PASS
Band17	10	23800	1	#0	QPSK	22.90	PASS
Band17	10	23800	1	#Mid	QPSK	22.81	PASS
Band17	10	23800	1	#Max	QPSK	22.87	PASS
Band17	10	23800	25	#0	QPSK	21.94	PASS
Band17	10	23800	25	#Mid	QPSK	21.48	PASS
Band17	10	23800	25	#Max	QPSK	22.01	PASS
Band17	10	23800	50	#0	QPSK	21.39	PASS
Band17	10	23800	1	#0	16QAM	21.75	PASS
Band17	10	23800	1	#Mid	16QAM	21.58	PASS
Band17	10	23800	1	#Max	16QAM	21.45	PASS
Band17	10	23800	25	#0	16QAM	20.96	PASS
Band17	10	23800	25	#Mid	16QAM	20.95	PASS
Band17	10	23800	25	#Max	16QAM	21.08	PASS
Band17	10	23800	50	#0	16QAM	20.98	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 17	5	23755	25	#0	QPSK	LV	NT	-25.98	-0.037	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	NT	-36.25	-0.051	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	HV	NT	-45.13	-0.064	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	LV	NT	-3.36	-0.005	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	NT	-11.66	-0.017	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	HV	NT	-19.91	-0.028	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	LV	NT	8.74	0.012	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	NT	-1.50	-0.002	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	HV	NT	-9.88	-0.014	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	LV	NT	-18.25	-0.026	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	NT	-28.32	-0.040	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	HV	NT	-36.02	-0.051	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	LV	NT	-4.42	-0.006	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	NT	-15.82	-0.022	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	HV	NT	-24.52	-0.034	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	LV	NT	-32.94	-0.046	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	NT	-42.31	-0.059	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	HV	NT	-4.53	-0.006	-2.5	2.5	PASS

Band 17	10	23780	50	#0	QPSK	LV	NT	-22.93	-0.032	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	NT	-33.26	-0.047	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	HV	NT	-40.60	-0.057	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	LV	NT	-13.68	-0.019	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	NT	-11.57	-0.016	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	HV	NT	-20.80	-0.029	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	LV	NT	-20.11	-0.028	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	NT	-28.74	-0.040	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	HV	NT	-33.02	-0.047	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	LV	NT	-38.25	-0.054	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	NT	-42.89	-0.060	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	HV	NT	-14.58	-0.021	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	LV	NT	-11.94	-0.017	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	NT	-17.85	-0.025	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	HV	NT	-22.54	-0.032	-2.5	2.5	PASS
Band 17	10	23800	50	#0	16QAM	LV	NT	-28.98	-0.041	-2.5	2.5	PASS
Band 17	10	23800	50	#0	16QAM	NV	NT	-32.66	-0.046	-2.5	2.5	PASS
Band 17	10	23800	50	#0	16QAM	HV	NT	-37.92	-0.053	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 17	5	23755	25	#0	QPSK	NV	-30	10.19	0.014	-2.5	2.5	PASS

Band 17	5	23755	25	#0	QPSK	NV	-20	8.21	0.012	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	0	4.73	0.007	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	10	3.32	0.005	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	20	1.47	0.002	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	30	0.11	0.000	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	40	-1.30	-0.002	-2.5	2.5	PASS
Band 17	5	23755	25	#0	QPSK	NV	50	-5.26	-0.007	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	-30	-8.58	-0.012	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	-20	-12.42	-0.018	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	0	-14.56	-0.021	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	10	-16.75	-0.024	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	20	-19.35	-0.027	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	30	-22.16	-0.031	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	40	-23.66	-0.033	-2.5	2.5	PASS
Band 17	5	23755	25	#0	16QAM	NV	50	-25.28	-0.036	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	-30	0.19	0.000	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	-20	-1.73	-0.002	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	0	-5.66	-0.008	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	10	-7.95	-0.011	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	20	-11.73	-0.017	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	30	-15.12	-0.021	-2.5	2.5	PASS
Band 17	5	23790	25	#0	QPSK	NV	40	-19.53	-0.028	-2.5	2.5	PASS



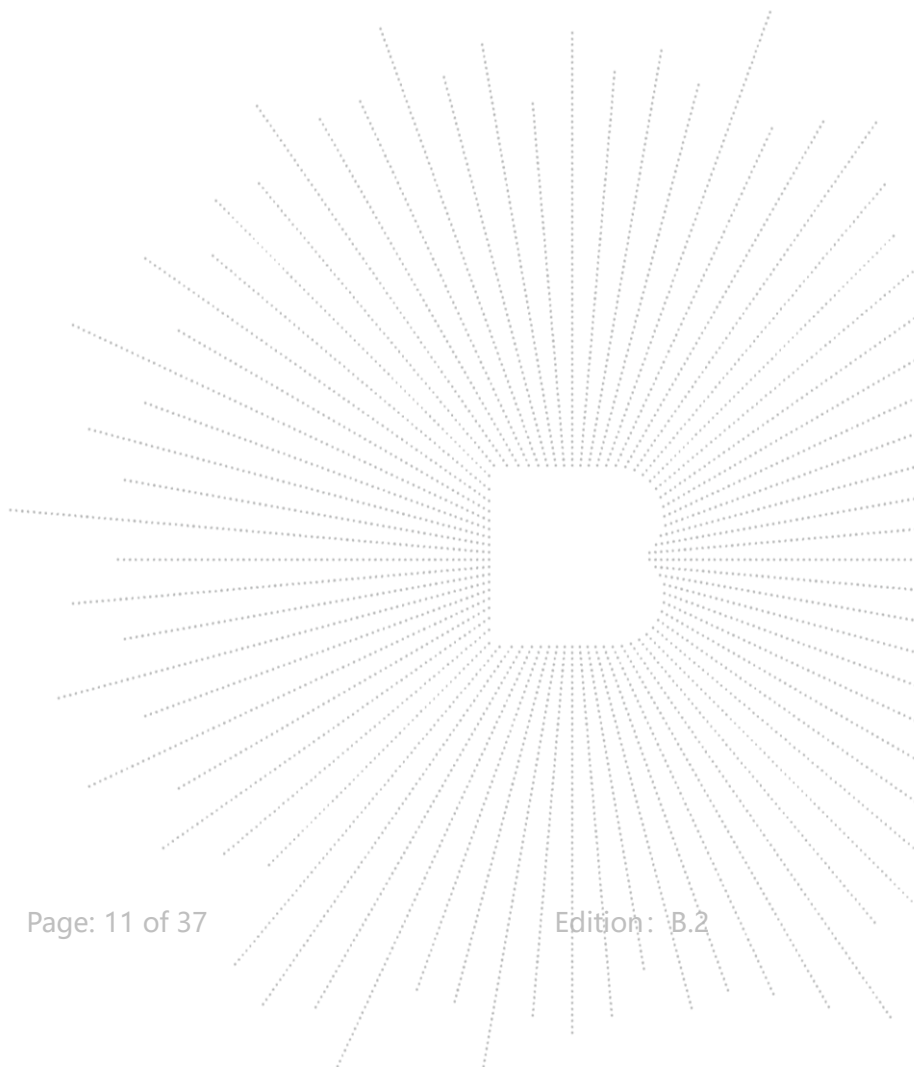
Band 17	5	23790	25	#0	QPSK	NV	50	-22.32	-0.031	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	-30	-25.61	-0.036	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	-20	-29.71	-0.042	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	0	-32.16	-0.045	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	10	-34.62	-0.049	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	20	-36.22	-0.051	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	30	-38.62	-0.054	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	40	-40.23	-0.057	-2.5	2.5	PASS
Band 17	5	23790	25	#0	16QAM	NV	50	-42.17	-0.059	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	-30	8.74	0.012	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	-20	6.67	0.009	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	0	4.69	0.007	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	10	3.08	0.004	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	20	0.62	0.001	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	30	-1.57	-0.002	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	40	-2.86	-0.004	-2.5	2.5	PASS
Band 17	5	23825	25	#0	QPSK	NV	50	-4.45	-0.006	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	-30	-7.77	-0.011	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	-20	-9.27	-0.013	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	0	-10.87	-0.015	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	10	-10.87	-0.015	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	20	-10.06	-0.014	-2.5	2.5	PASS

Band 17	5	23825	25	#0	16QAM	NV	30	-10.49	-0.015	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	40	-12.16	-0.017	-2.5	2.5	PASS
Band 17	5	23825	25	#0	16QAM	NV	50	-11.80	-0.017	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	-30	27.21	0.038	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	-20	22.29	0.031	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	0	18.47	0.026	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	10	14.73	0.021	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	20	11.26	0.016	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	30	6.42	0.009	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	40	2.32	0.003	-2.5	2.5	PASS
Band 17	10	23780	50	#0	QPSK	NV	50	-3.86	-0.005	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	-30	-9.53	-0.013	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	-20	-13.52	-0.019	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	0	-16.65	-0.023	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	10	-19.93	-0.028	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	20	-22.89	-0.032	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	30	-26.14	-0.037	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	40	-28.75	-0.041	-2.5	2.5	PASS
Band 17	10	23780	50	#0	16QAM	NV	50	-31.46	-0.044	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	-30	2.43	0.003	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	-20	-1.90	-0.003	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	0	-5.18	-0.007	-2.5	2.5	PASS



Band 17	10	23790	50	#0	QPSK	NV	10	-7.93	-0.011	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	20	-11.12	-0.016	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	30	-13.25	-0.019	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	40	-16.19	-0.023	-2.5	2.5	PASS
Band 17	10	23790	50	#0	QPSK	NV	50	-18.60	-0.026	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	-30	-20.60	-0.029	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	-20	-21.64	-0.030	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	0	-22.99	-0.032	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	10	-24.45	-0.034	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	20	-27.24	-0.038	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	30	-29.18	-0.041	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	40	-30.96	-0.044	-2.5	2.5	PASS
Band 17	10	23790	50	#0	16QAM	NV	50	-33.10	-0.047	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	-30	1.86	0.003	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	-20	-0.16	0.000	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	0	-3.33	-0.005	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	10	-6.41	-0.009	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	20	-9.64	-0.014	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	30	-12.16	-0.017	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	40	-14.92	-0.021	-2.5	2.5	PASS
Band 17	10	23800	50	#0	QPSK	NV	50	-17.31	-0.024	-2.5	2.5	PASS
Band 17	10	23800	50	#0	16QAM	NV	-30	-19.68	-0.028	-2.5	2.5	PASS

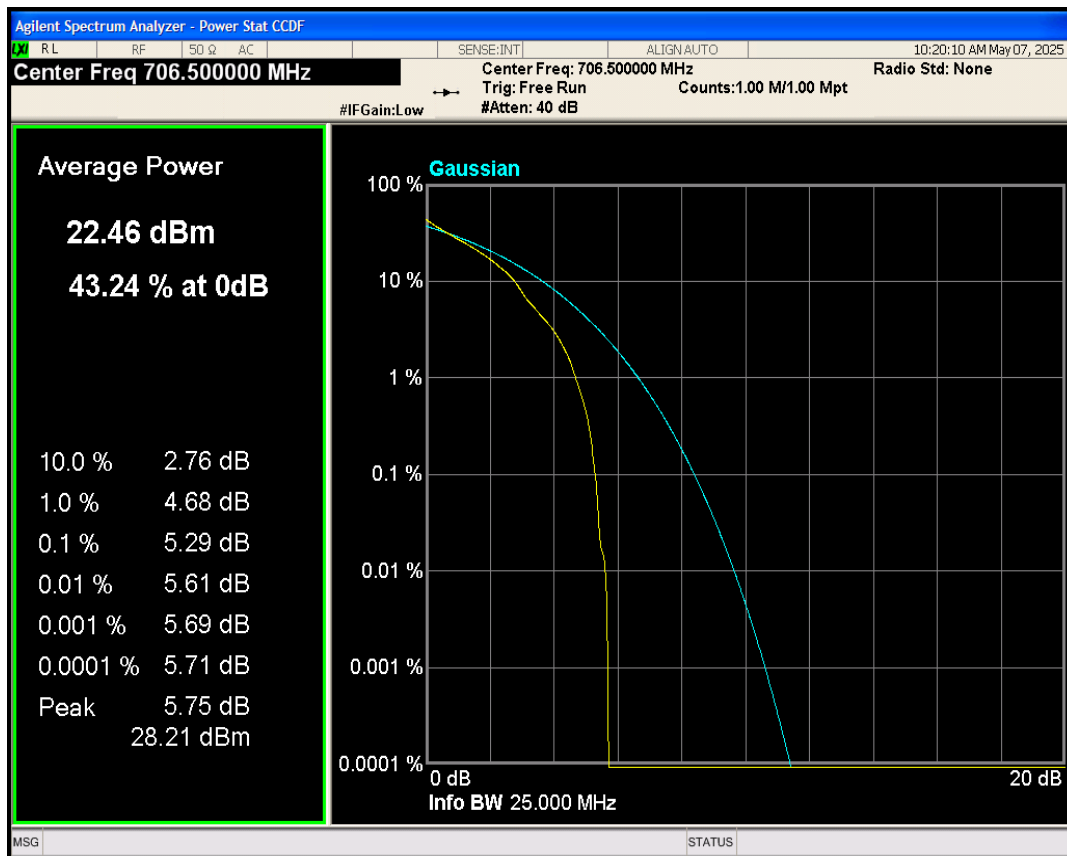
Band 17	10	23800	50	#0	16QAM	NV	-20	-20. 77	-0.0 29	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	0	-21. 46	-0.0 30	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	10	-23. 70	-0.0 33	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	20	-25. 86	-0.0 36	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	30	-27. 25	-0.0 38	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	40	-28. 38	-0.0 40	-2.5	2.5	PAS S
Band 17	10	23800	50	#0	16QAM	NV	50	-29. 55	-0.0 42	-2.5	2.5	PAS S



Appendix 3. Peak-to-Average Ratio

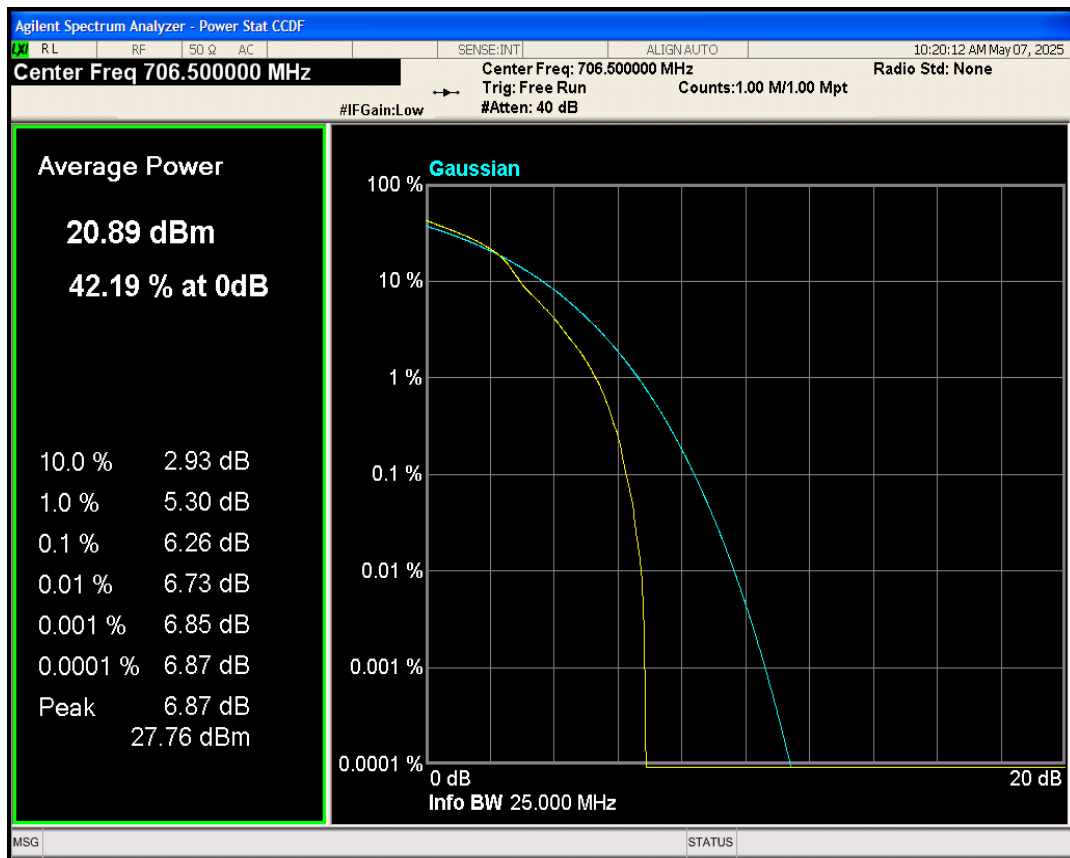
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23755	1	#0	QPSK	5.29	13	PASS
Band17	5	23755	1	#0	16QAM	6.26	13	PASS
Band17	5	23790	1	#0	QPSK	5.39	13	PASS
Band17	5	23790	1	#0	16QAM	6.13	13	PASS
Band17	5	23825	1	#0	QPSK	4.46	13	PASS
Band17	5	23825	1	#0	16QAM	5.49	13	PASS
Band17	10	23780	1	#0	QPSK	5.26	13	PASS
Band17	10	23780	1	#0	16QAM	6.42	13	PASS
Band17	10	23790	1	#0	QPSK	5.43	13	PASS
Band17	10	23790	1	#0	16QAM	6.39	13	PASS
Band17	10	23800	1	#0	QPSK	5.38	13	PASS
Band17	10	23800	1	#0	16QAM	6.29	13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=1 Position=#0

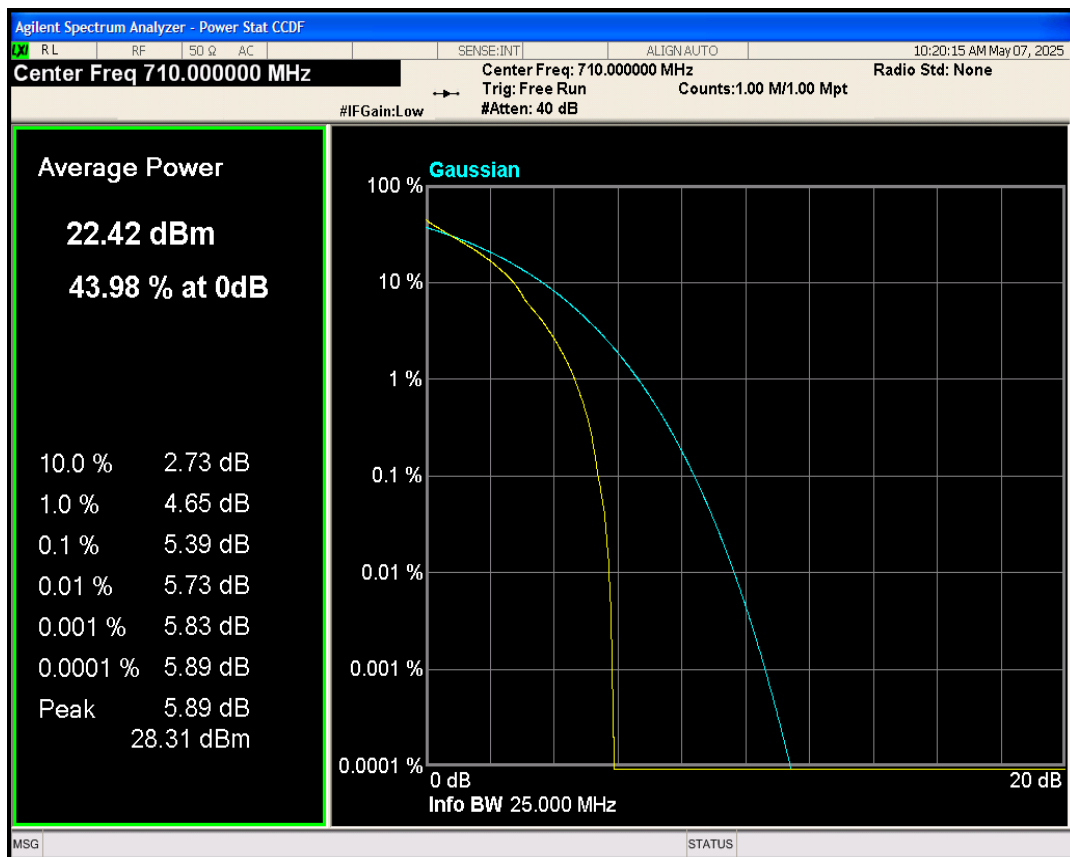




Band17 16QAM BW=5MHz Channel=23755 RB Size=1 Position=#0

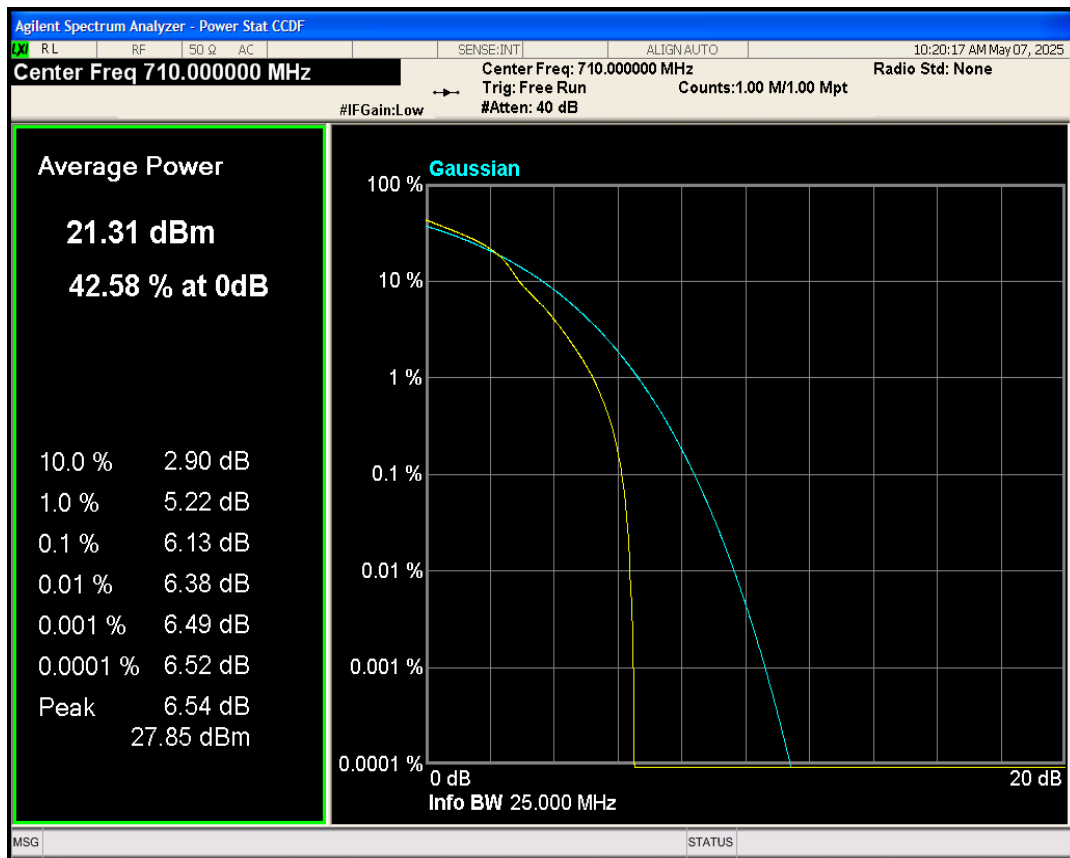


Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0

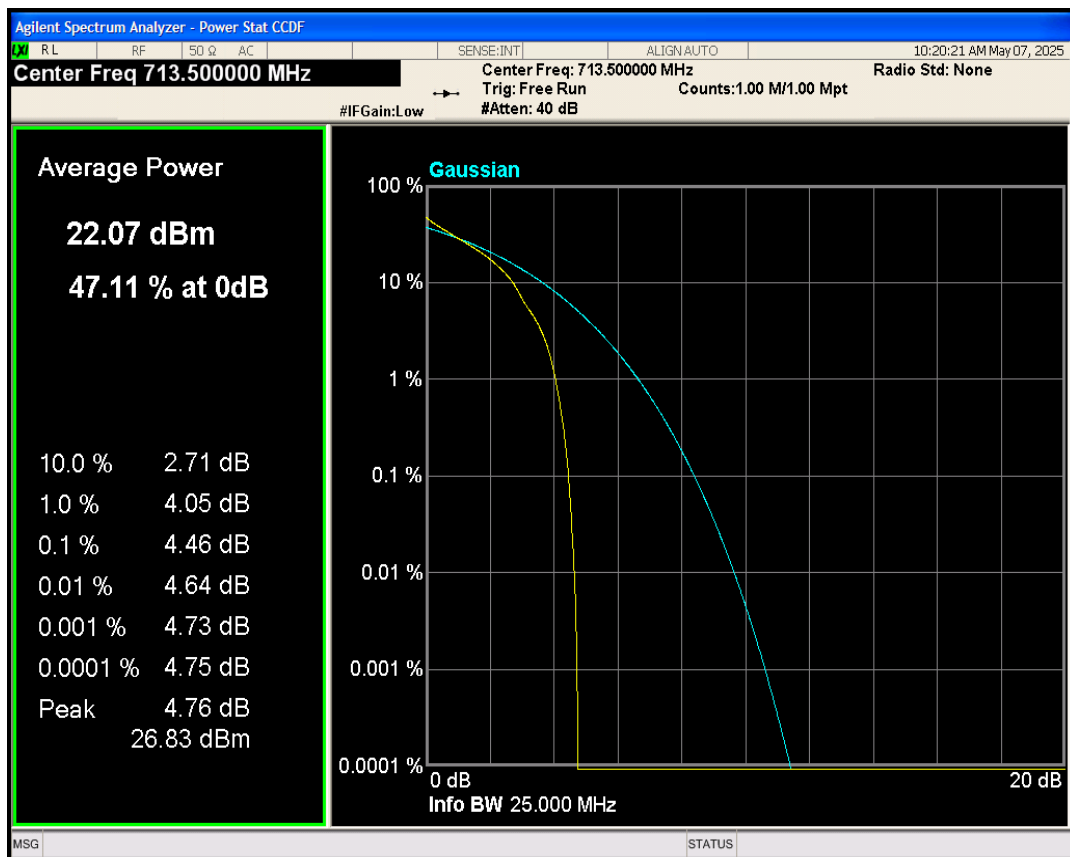




Band17 16QAM BW=5MHz Channel=23790 RB Size=1 Position=#0

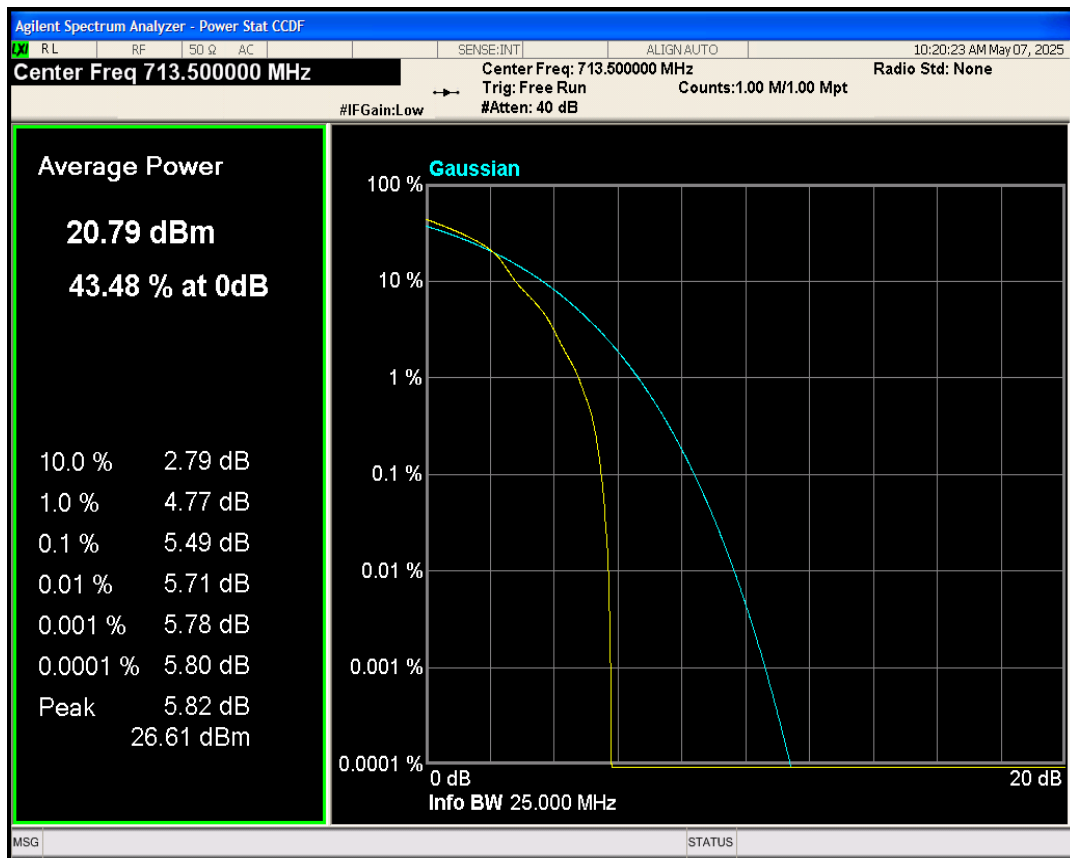


Band17 QPSK BW=5MHz Channel=23825 RB Size=1 Position=#0

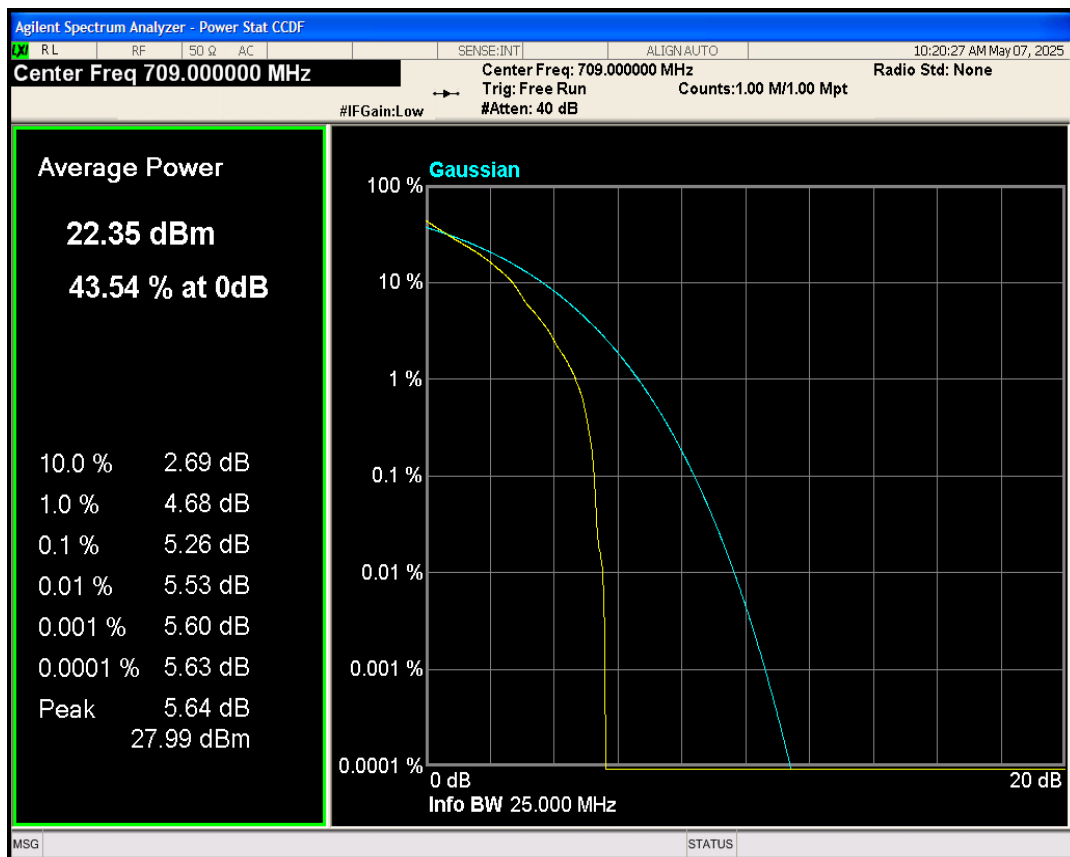




Band17 16QAM BW=5MHz Channel=23825 RB Size=1 Position=#0

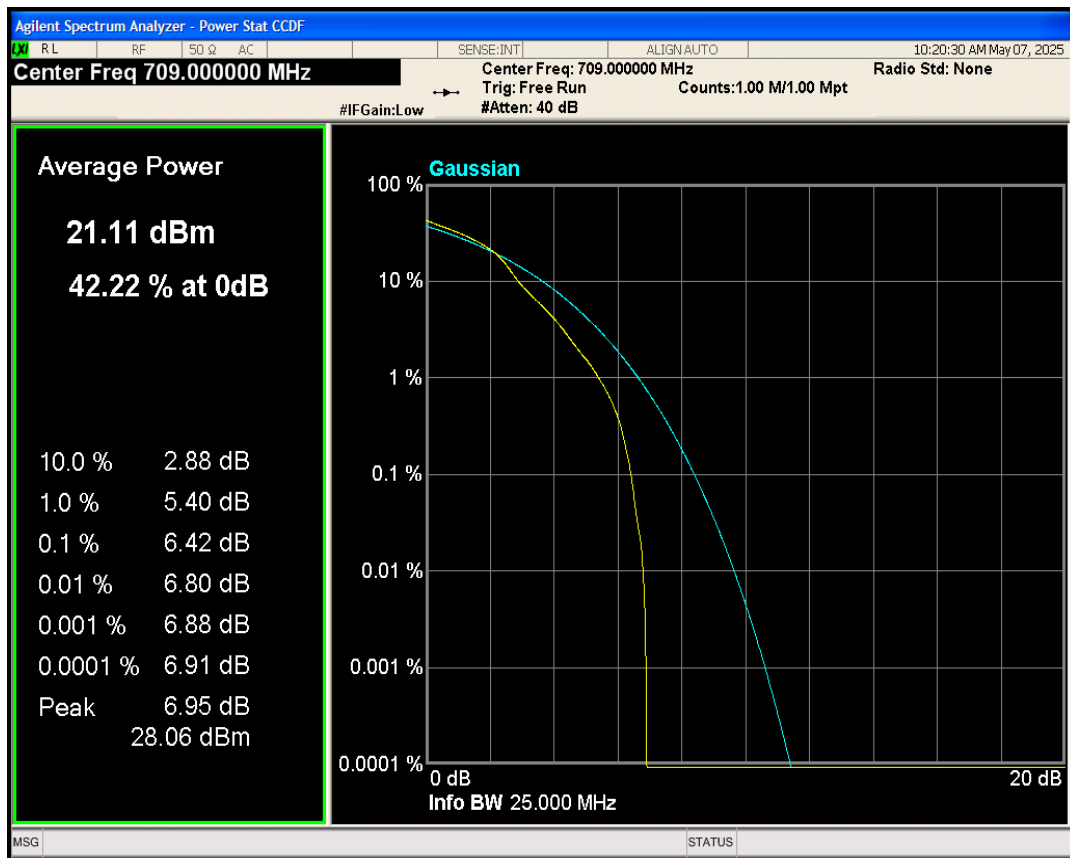


Band17 QPSK BW=10MHz Channel=23780 RB Size=1 Position=#0

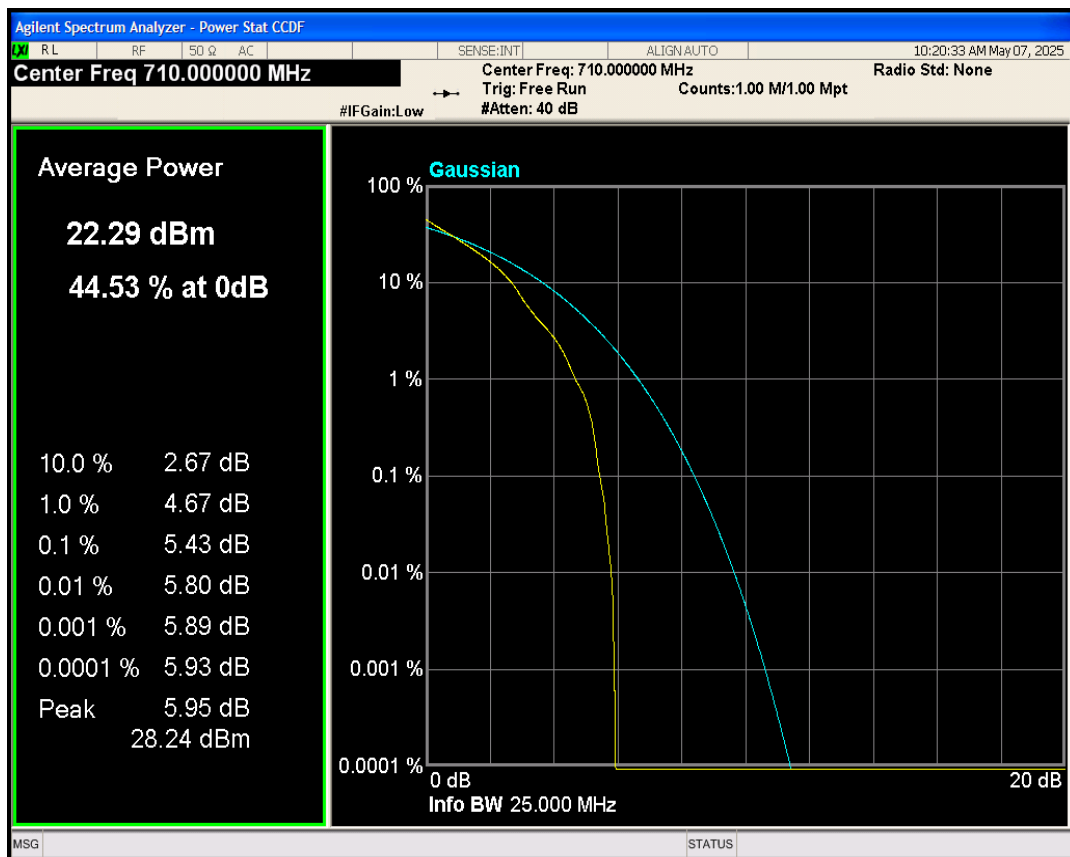




Band17 16QAM BW=10MHz Channel=23780 RB Size=1 Position=#0

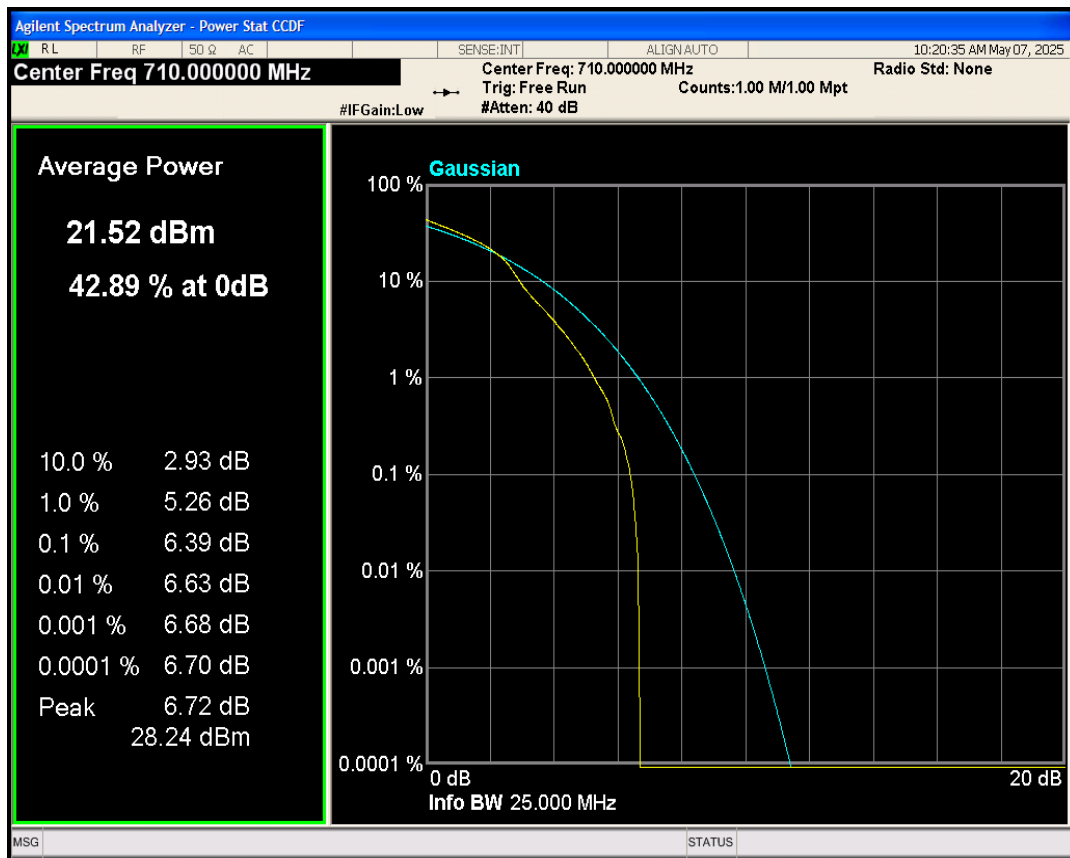


Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0

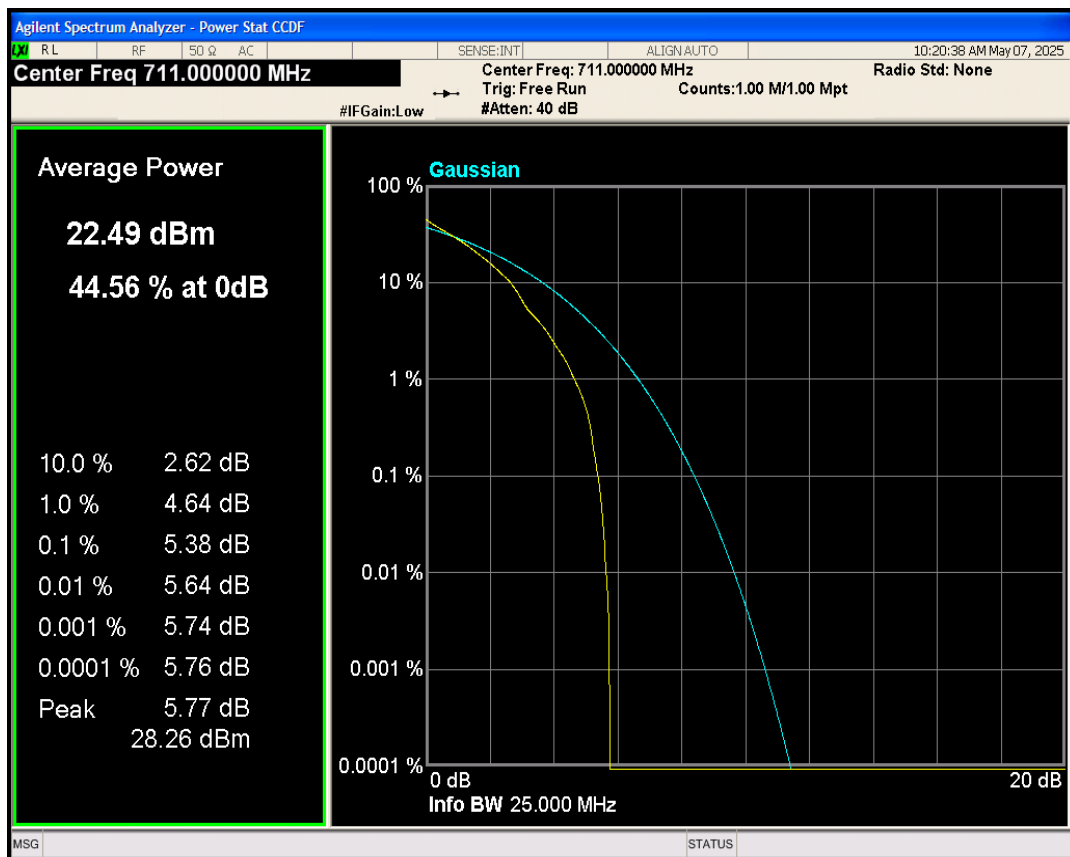




Band17 16QAM BW=10MHz Channel=23790 RB Size=1 Position=#0

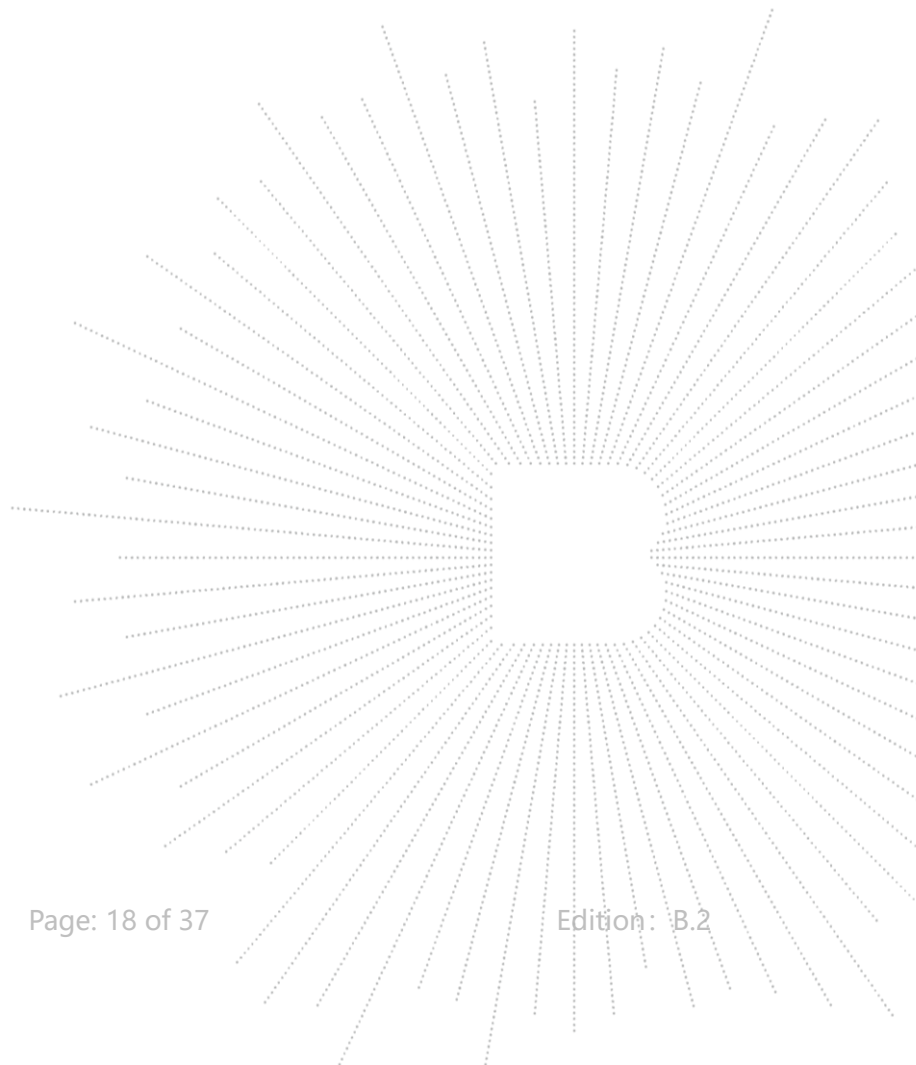
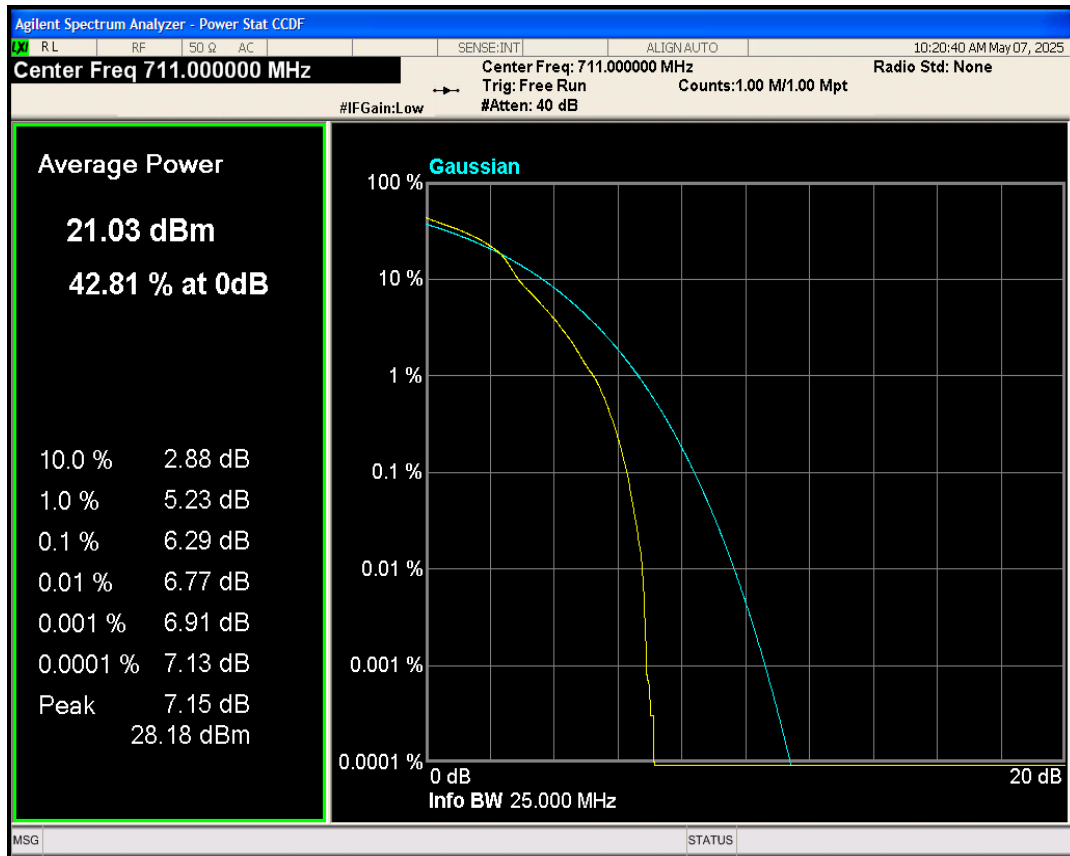


Band17 QPSK BW=10MHz Channel=23800 RB Size=1 Position=#0





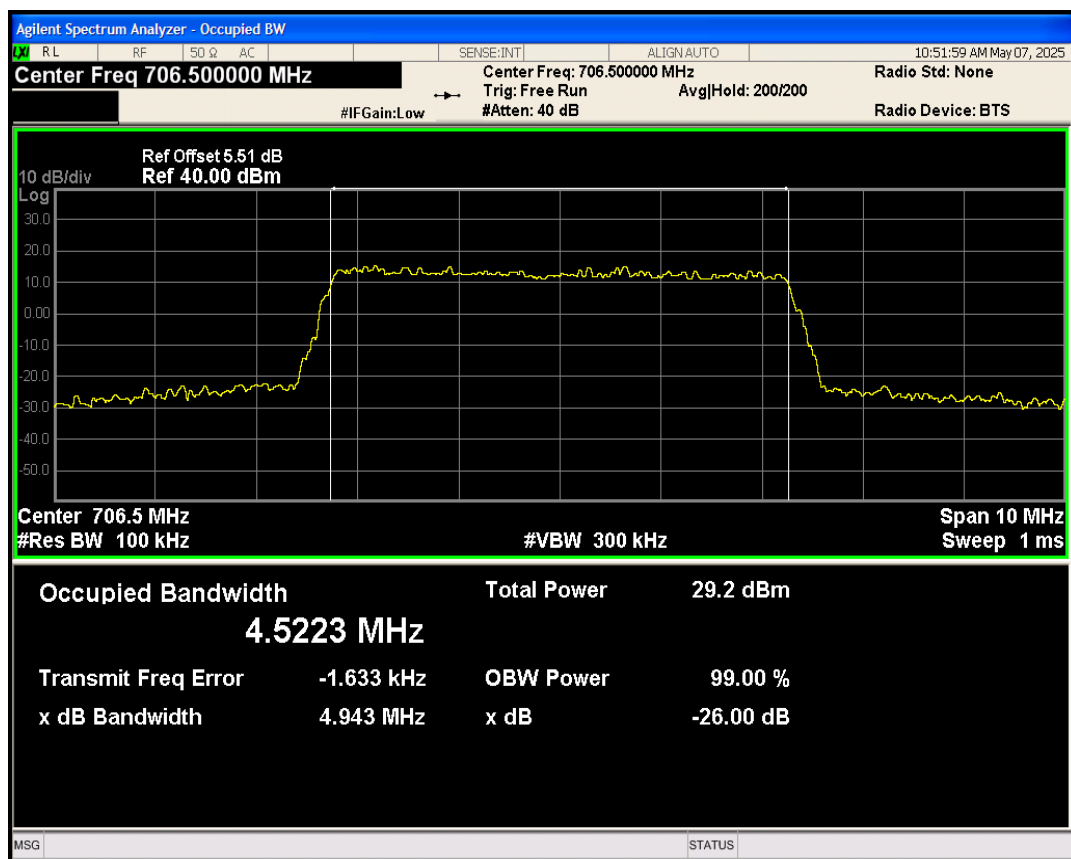
Band17 16QAM BW=10MHz Channel=23800 RB Size=1 Position=#0



Appendix 4. Occupied bandwidth

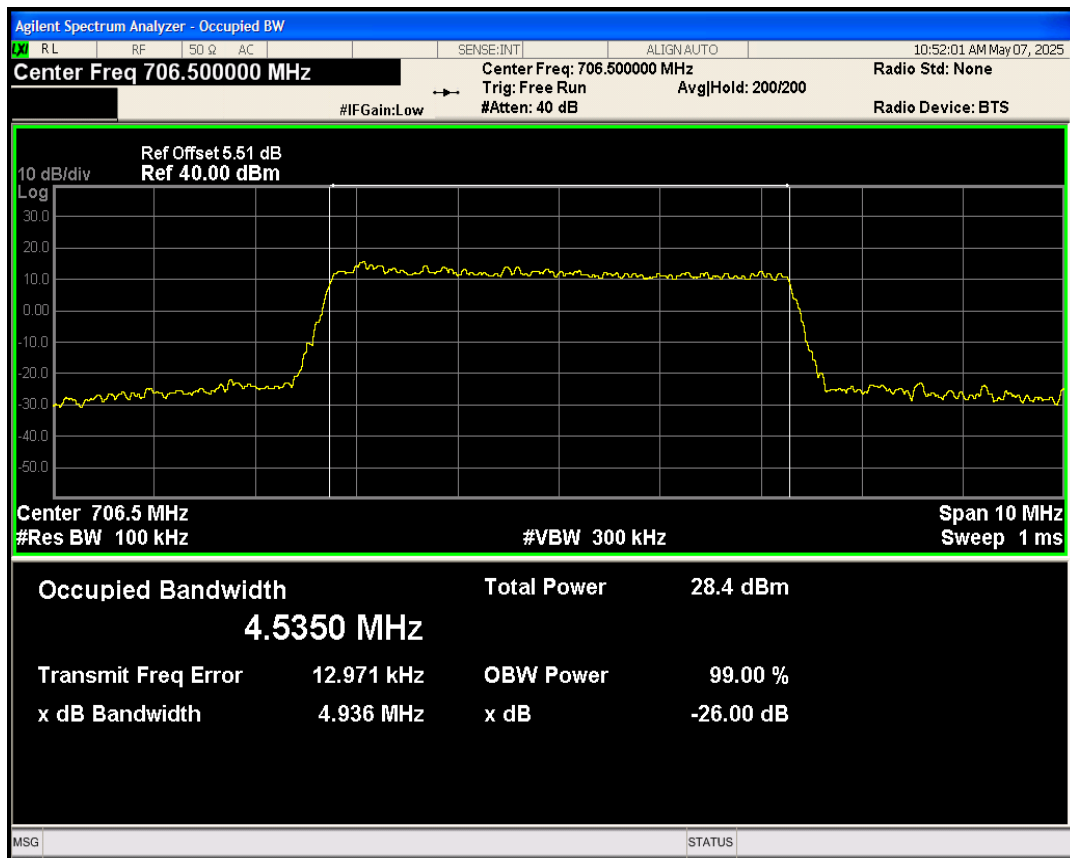
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QPSK	4.522	4.943	PASS
Band17	5	23755	25	#0	16QAM	4.535	4.936	PASS
Band17	5	23790	25	#0	QPSK	4.506	4.926	PASS
Band17	5	23790	25	#0	16QAM	4.539	4.950	PASS
Band17	5	23825	25	#0	QPSK	4.525	4.950	PASS
Band17	5	23825	25	#0	16QAM	4.494	4.975	PASS
Band17	10	23780	50	#0	QPSK	9.028	9.825	PASS
Band17	10	23780	50	#0	16QAM	9.019	9.894	PASS
Band17	10	23790	50	#0	QPSK	8.970	9.786	PASS
Band17	10	23790	50	#0	16QAM	8.953	9.801	PASS
Band17	10	23800	50	#0	QPSK	8.978	9.748	PASS
Band17	10	23800	50	#0	16QAM	8.926	9.756	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

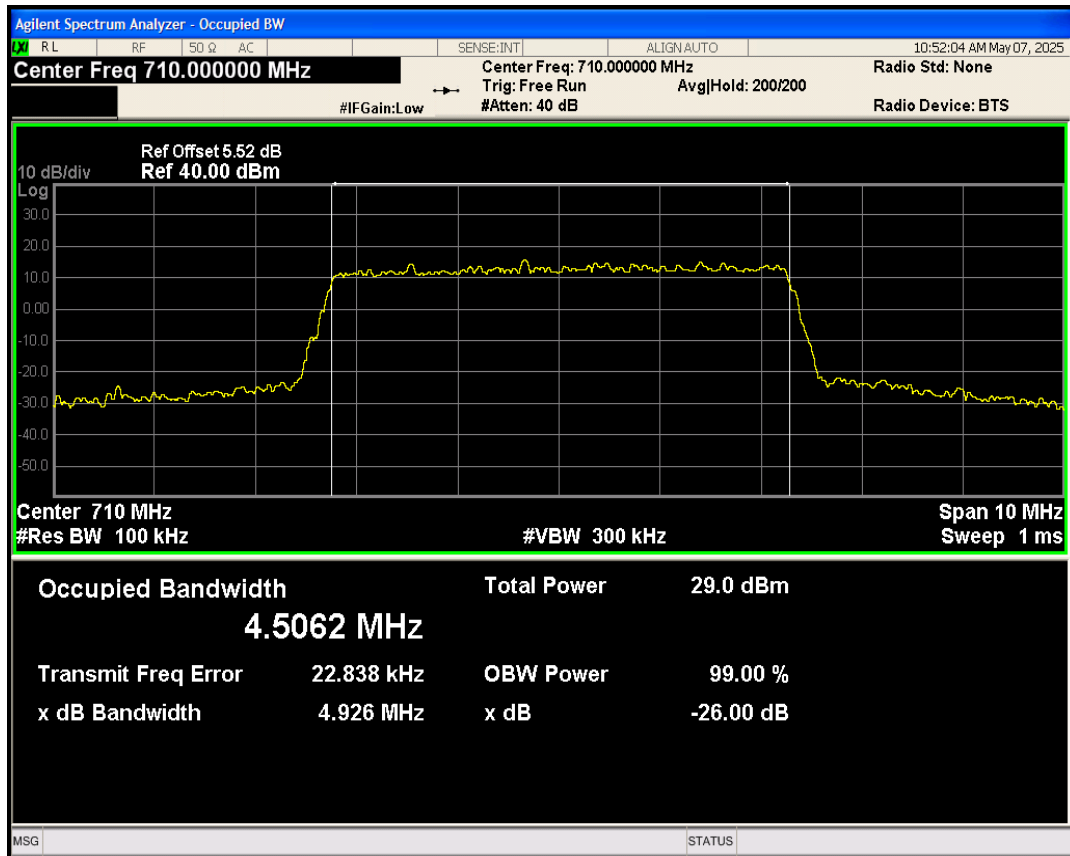




Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

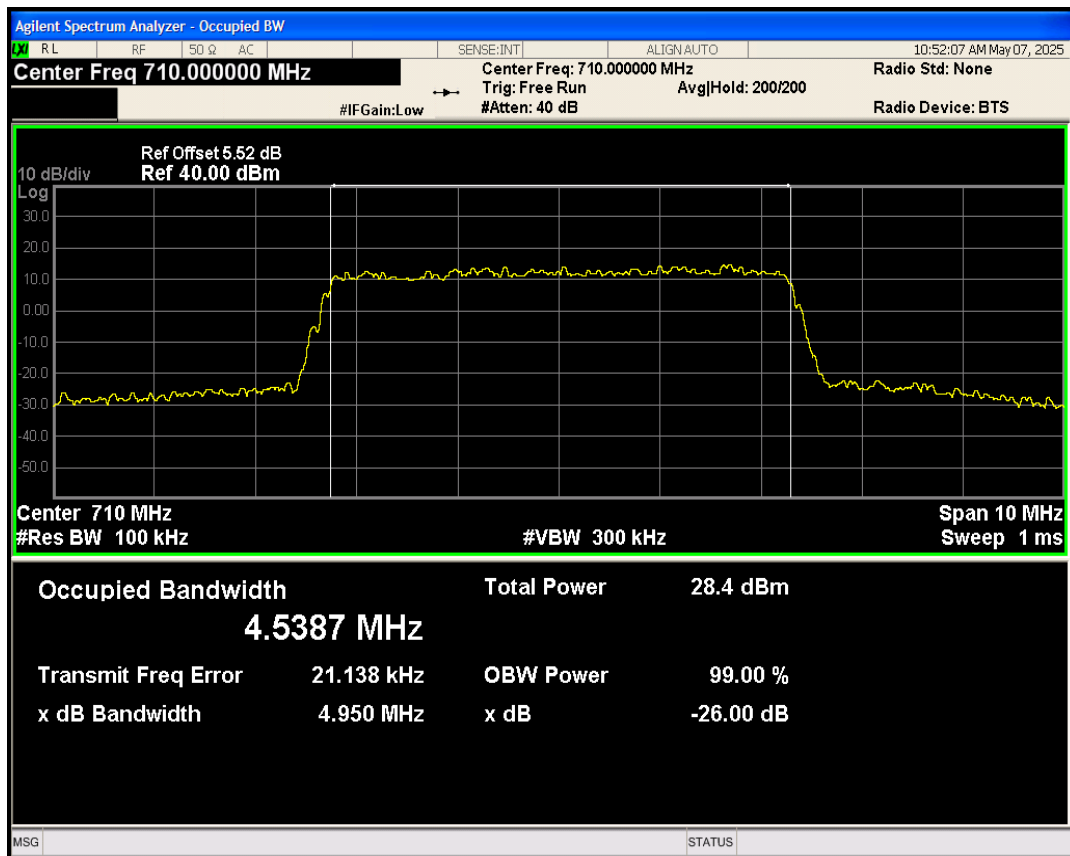


Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

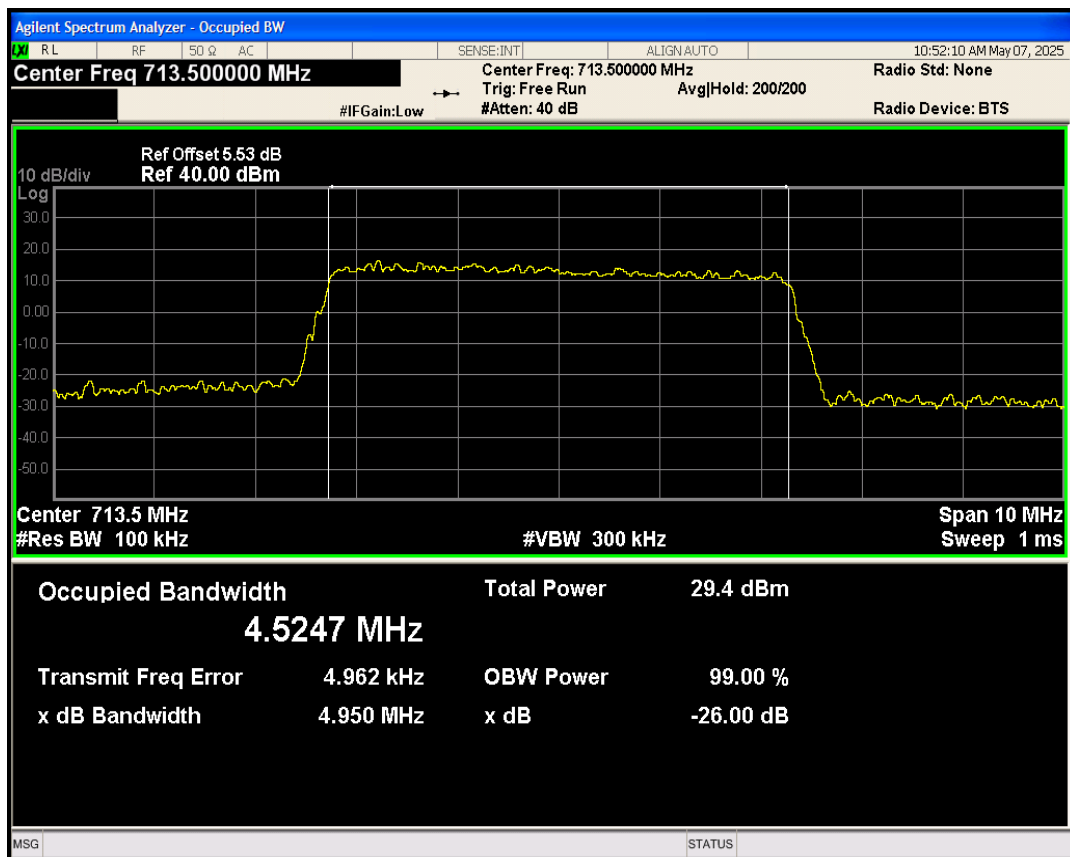




Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0

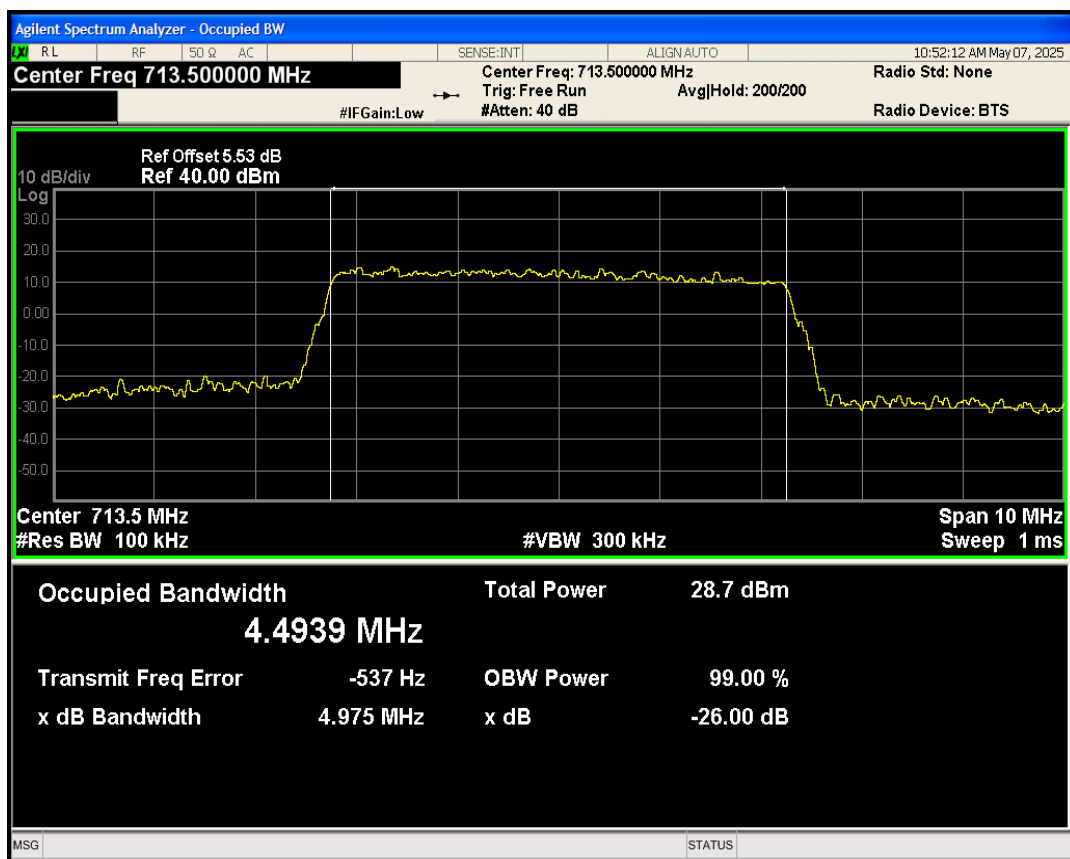


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

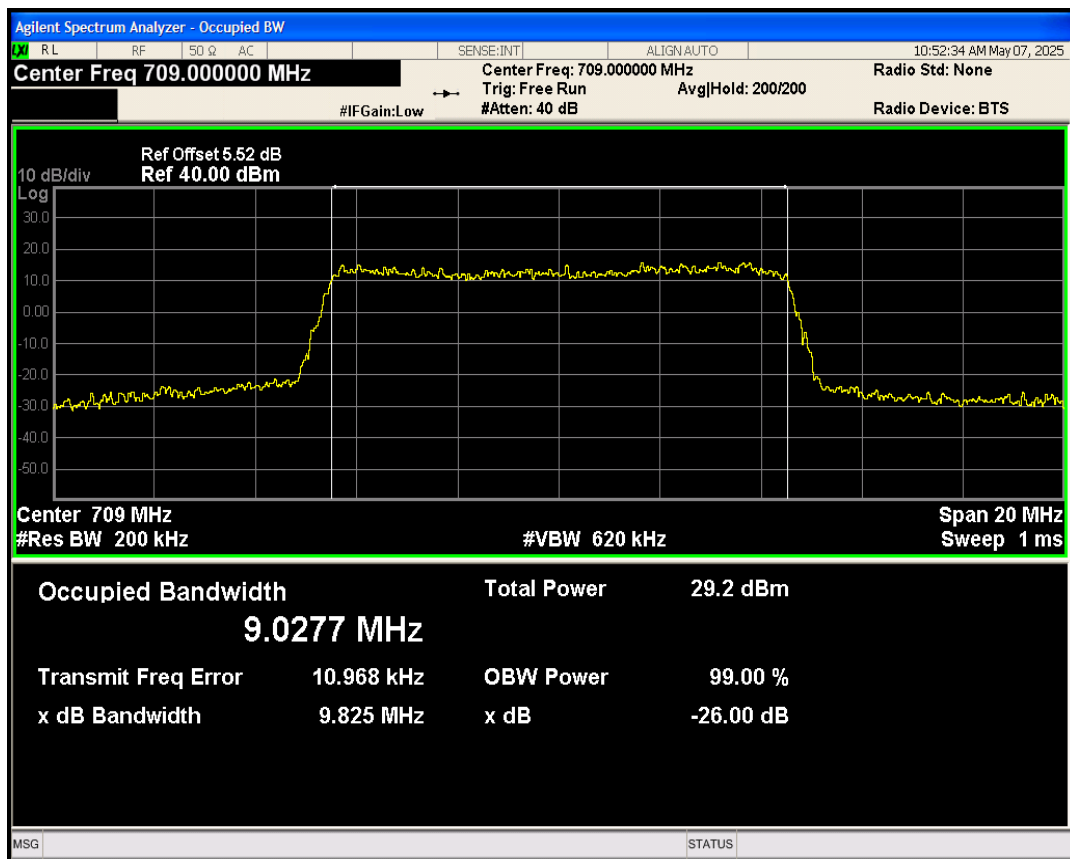




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

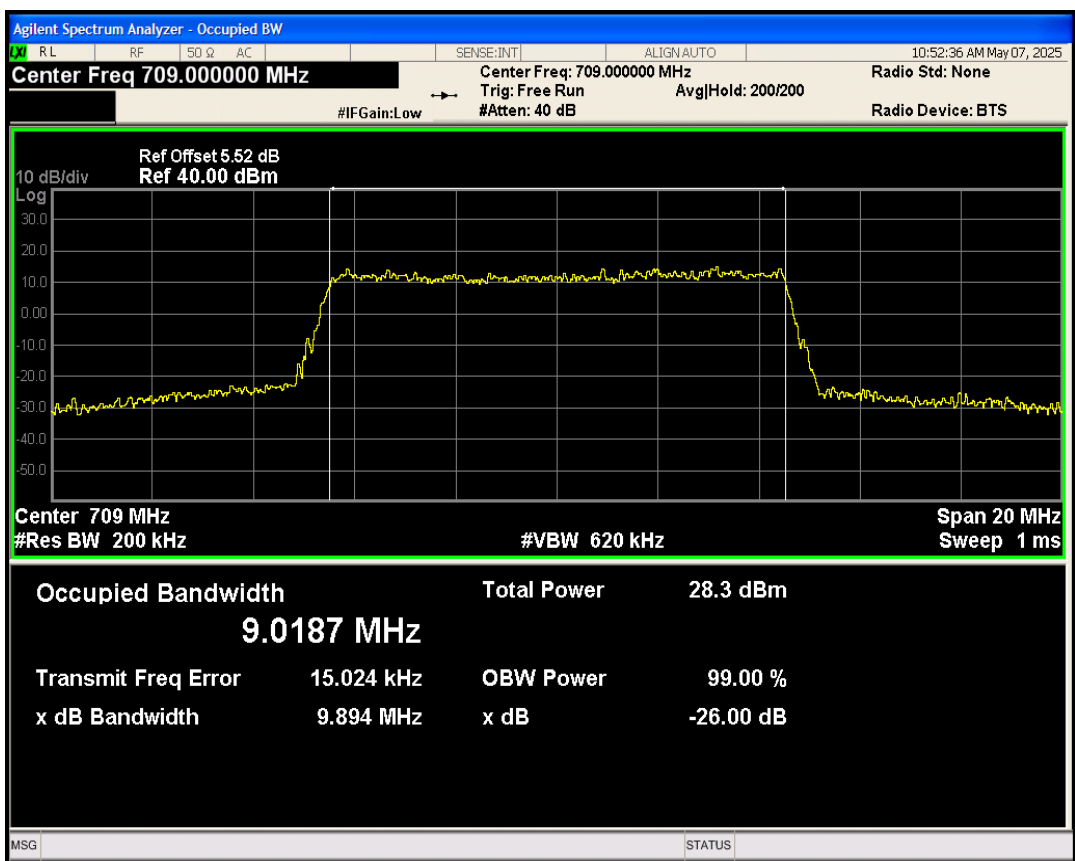


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

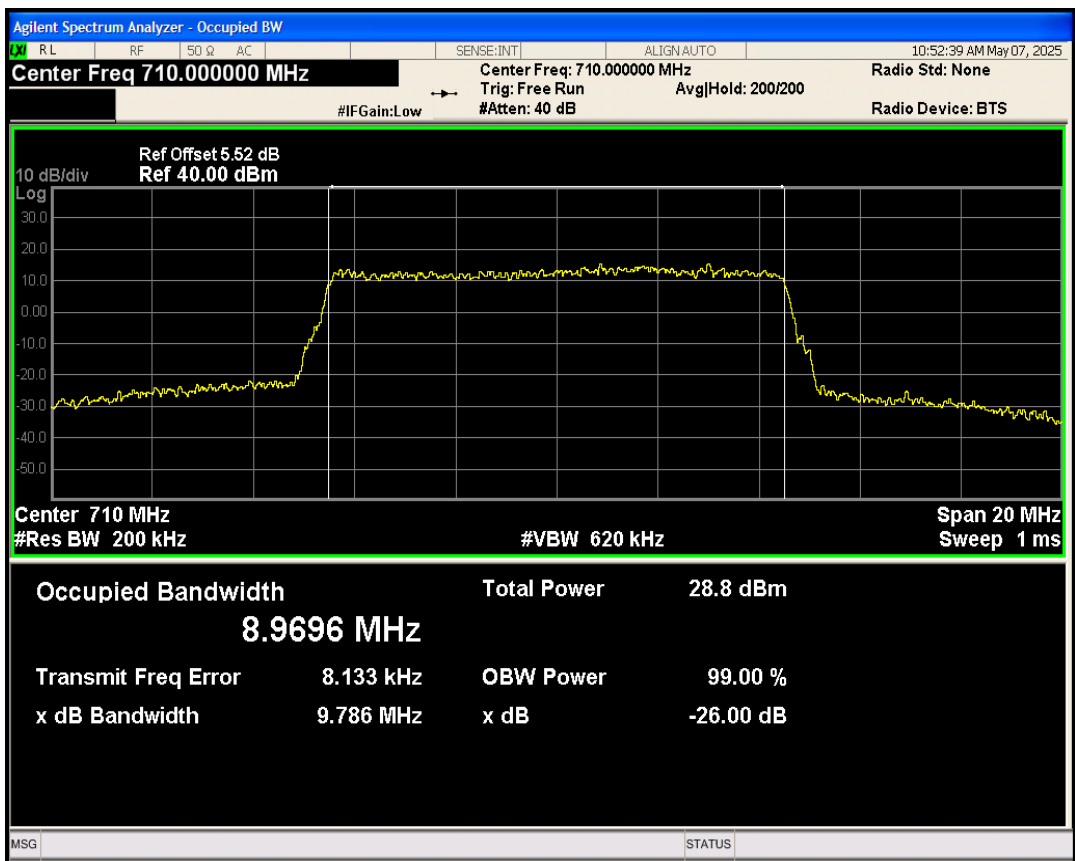




Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

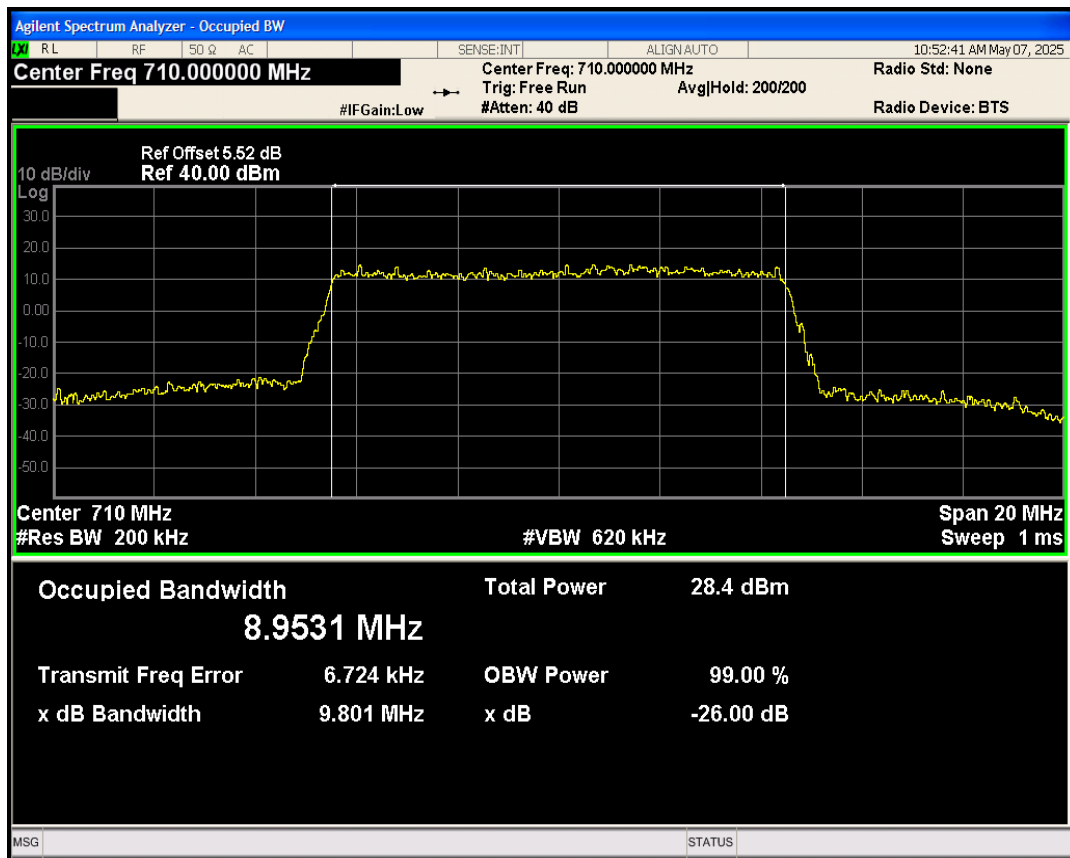


Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0

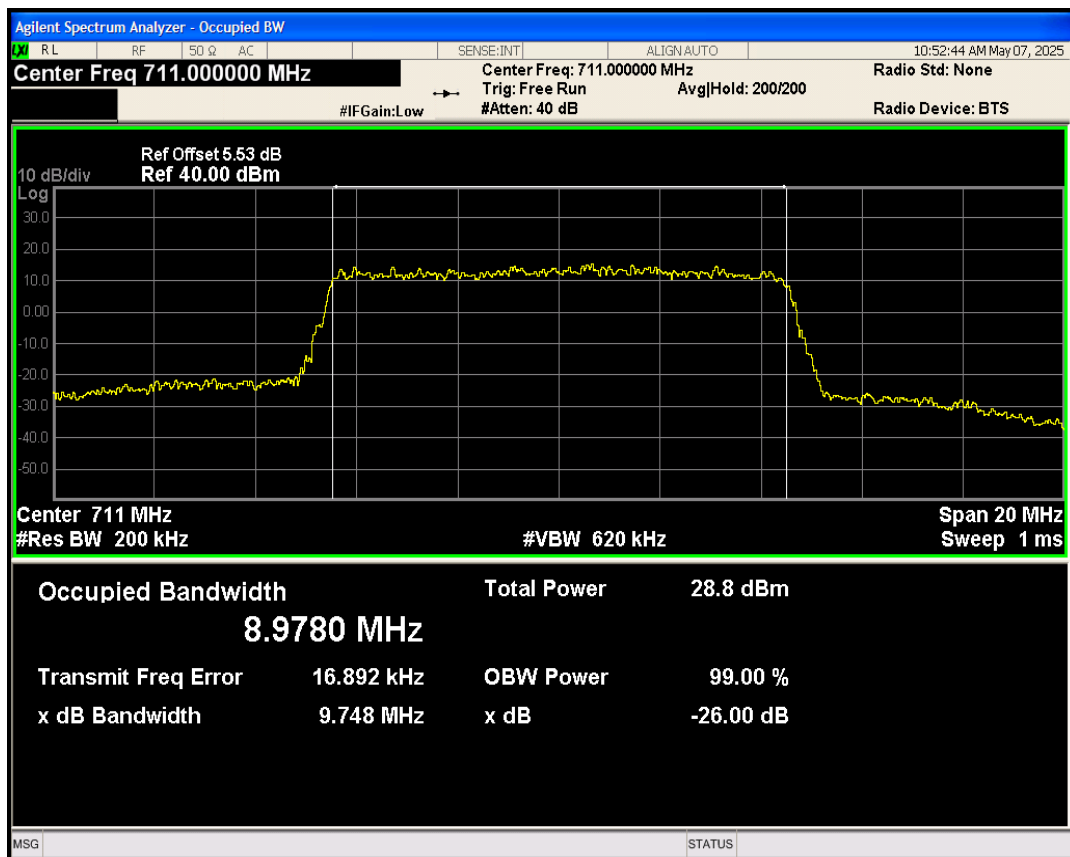




Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0

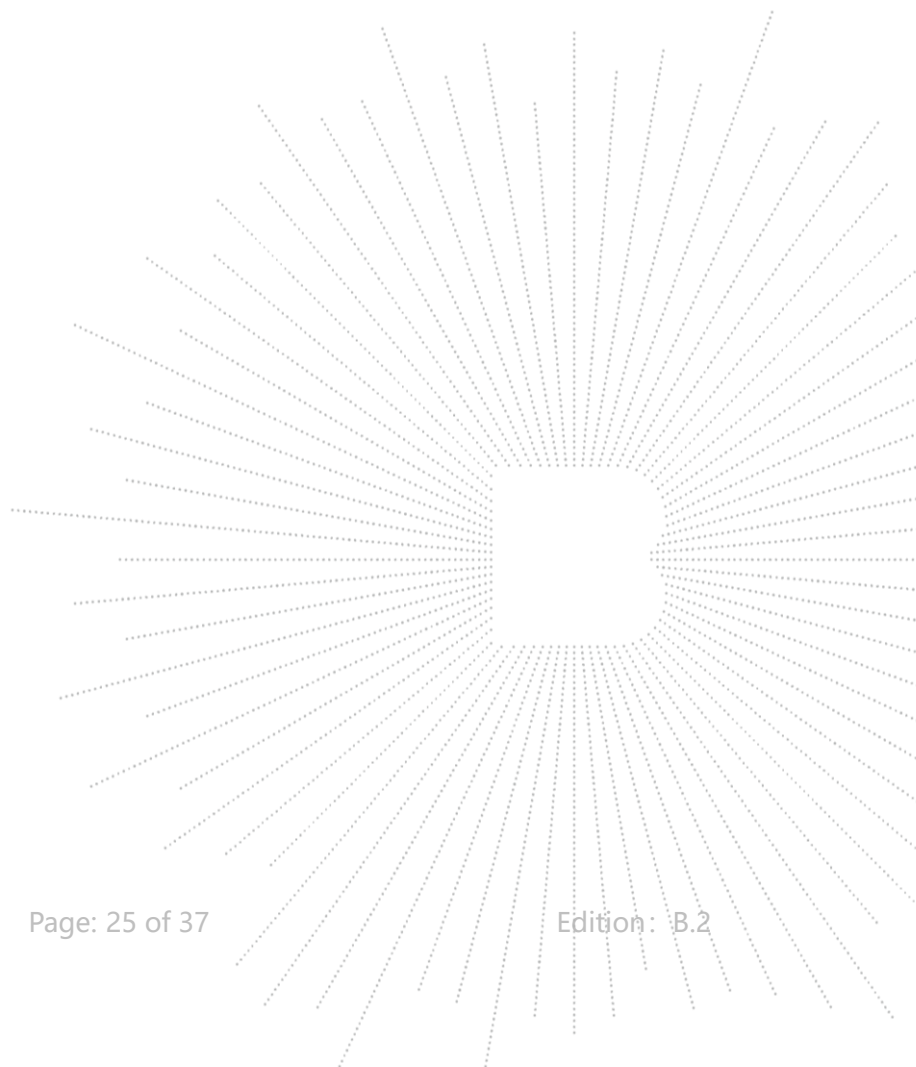
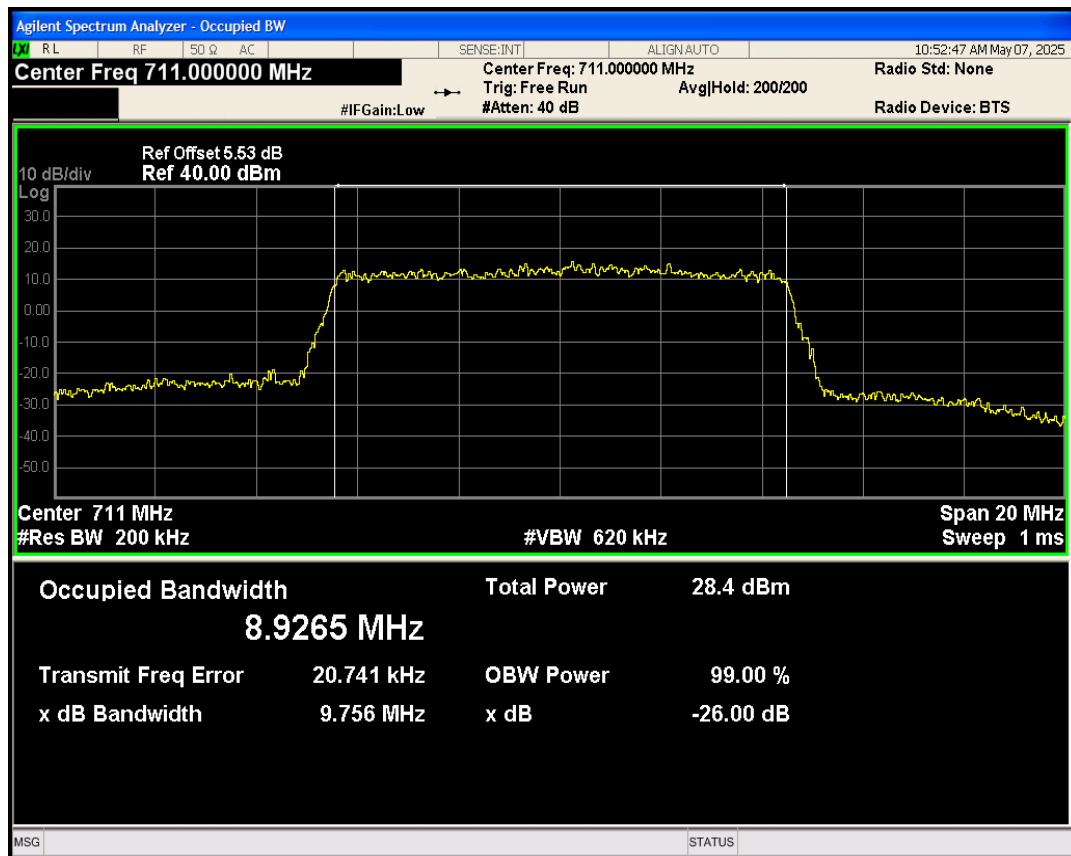


Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





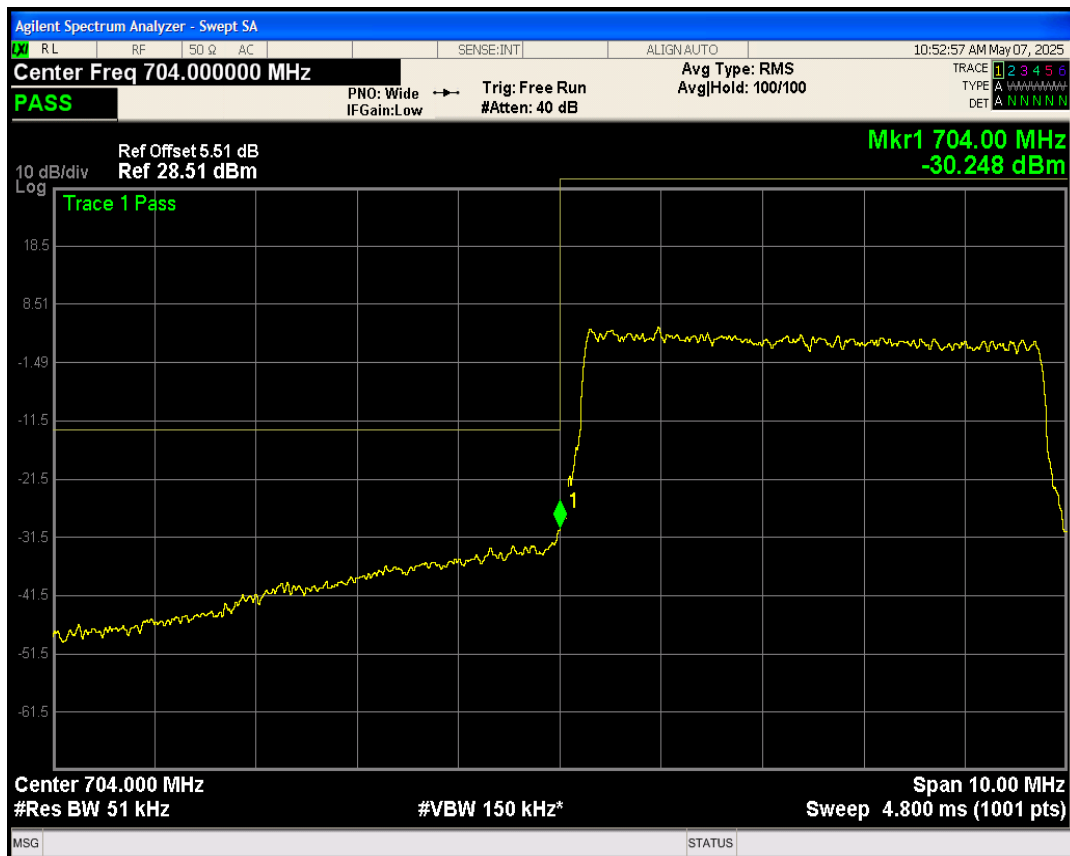
Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



Appendix 5. Band edge

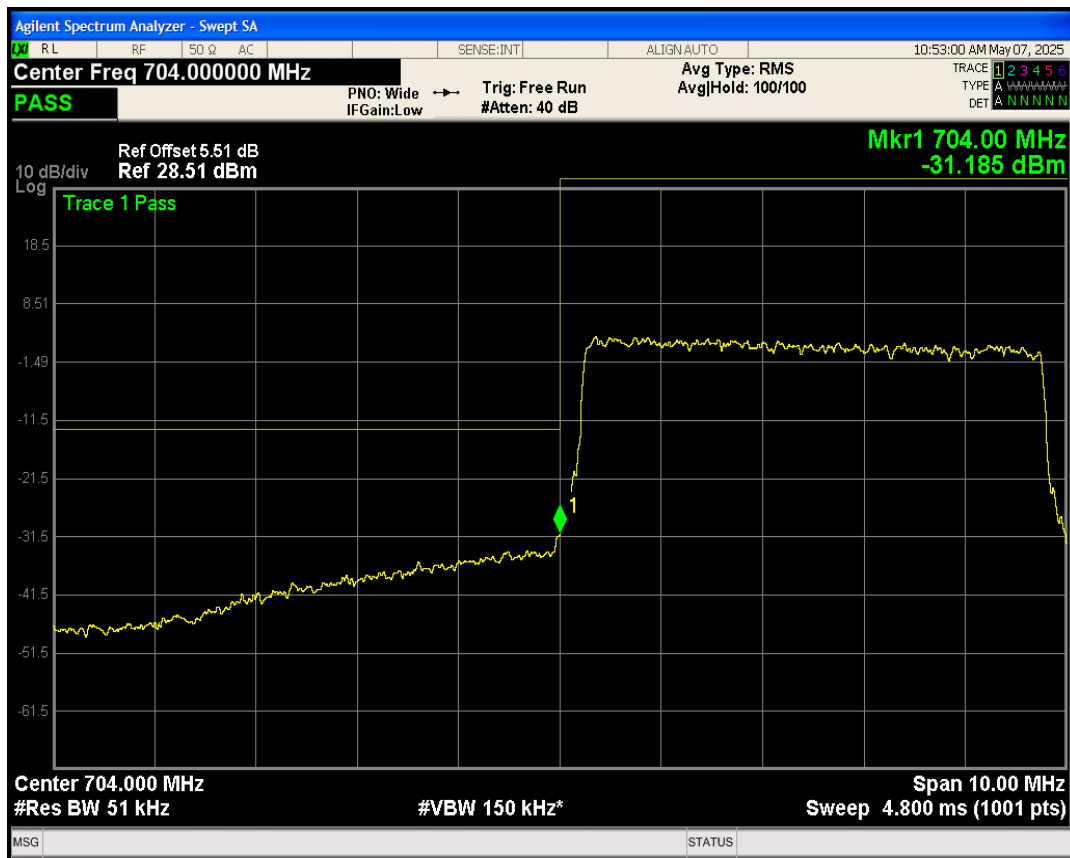
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	704.00	-30.24	-13	PASS
Band17	5	23755	25	#0	16QAM	704.00	-31.18	-13	PASS
Band17	5	23825	25	#0	QPSK	716.00	-34.32	-13	PASS
Band17	5	23825	25	#0	16QAM	716.00	-34.26	-13	PASS
Band17	10	23780	50	#0	QPSK	703.90	-31.75	-13	PASS
Band17	10	23780	50	#0	16QAM	703.74	-33.25	-13	PASS
Band17	10	23800	50	#0	QPSK	716.00	-33.50	-13	PASS
Band17	10	23800	50	#0	16QAM	716.00	-33.92	-13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

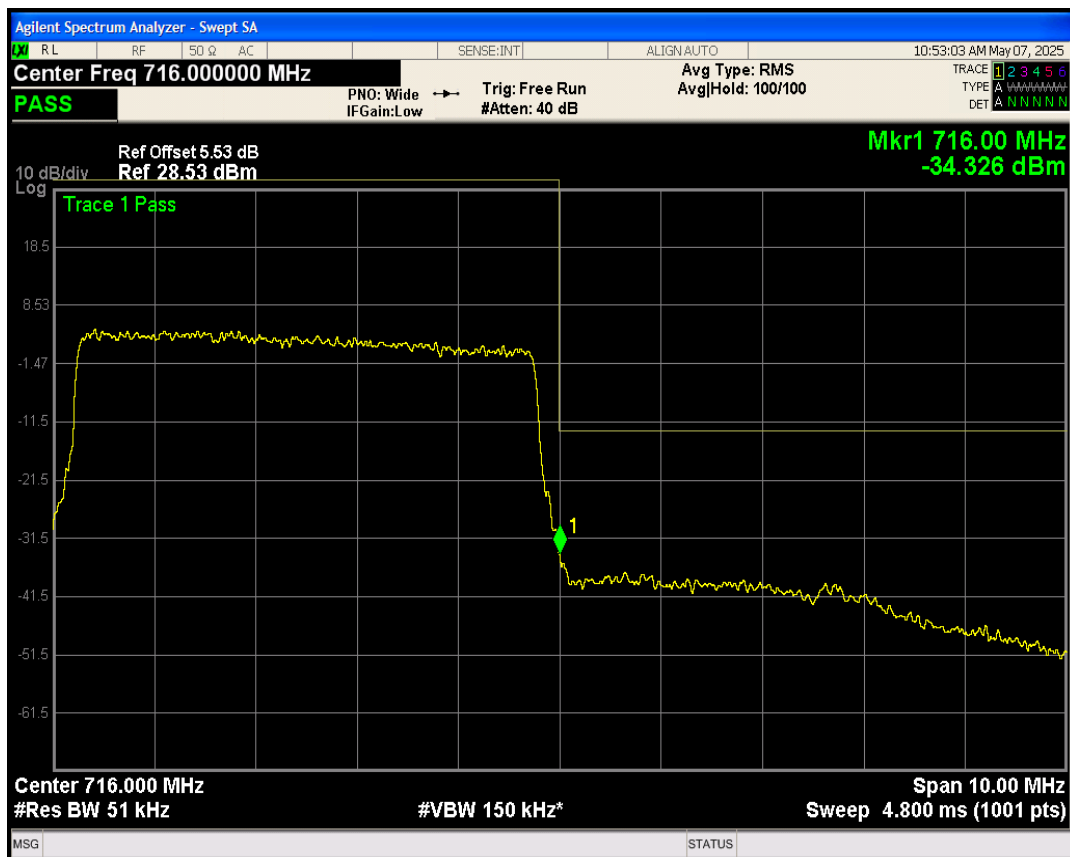




Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

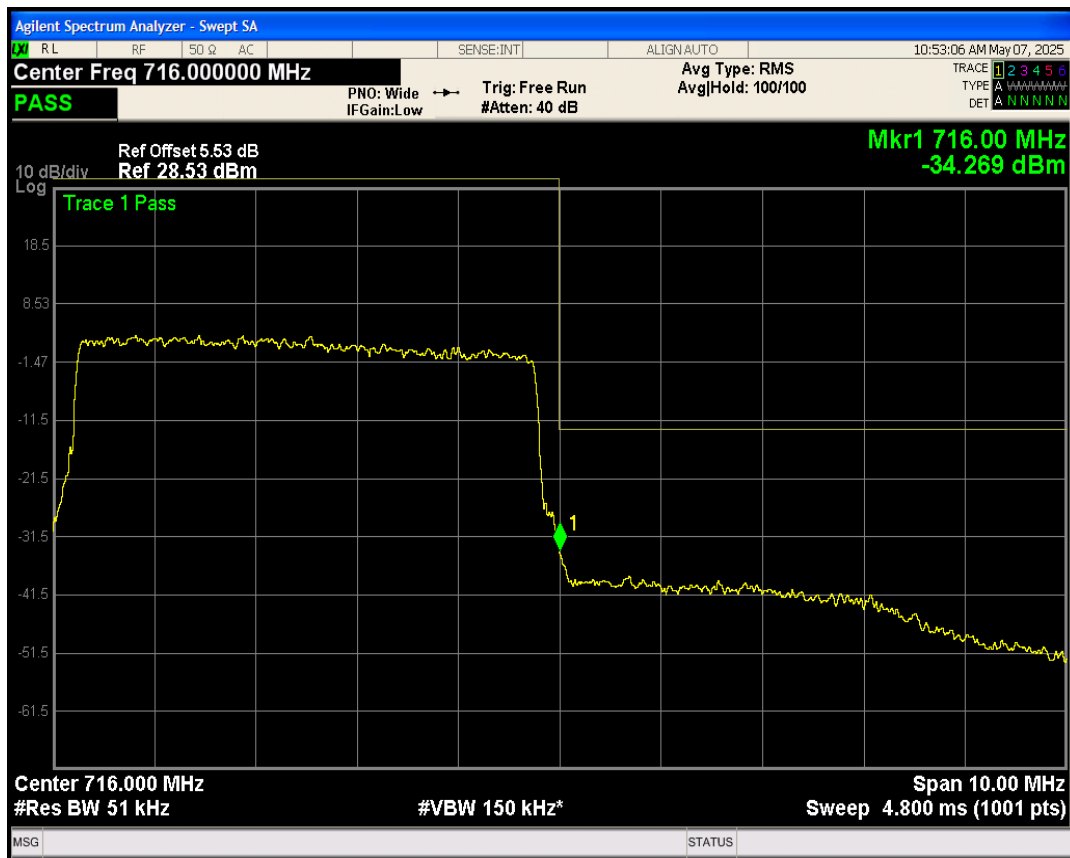


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

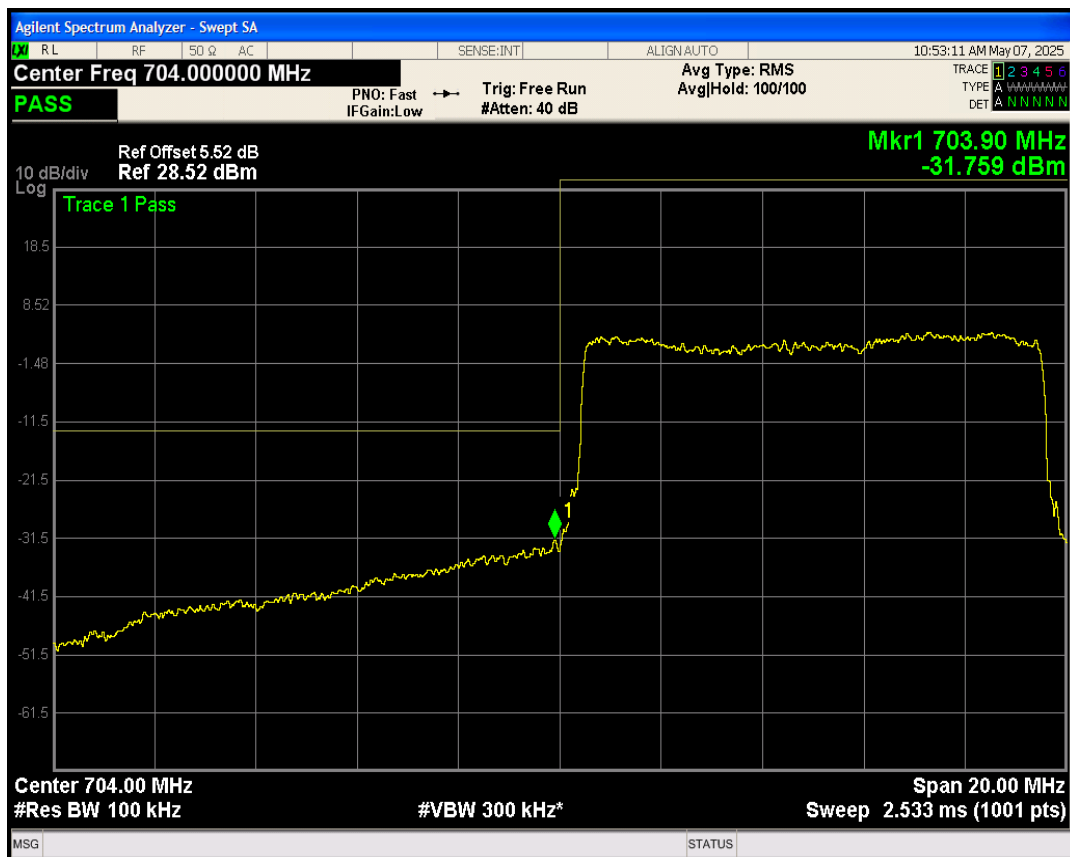




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

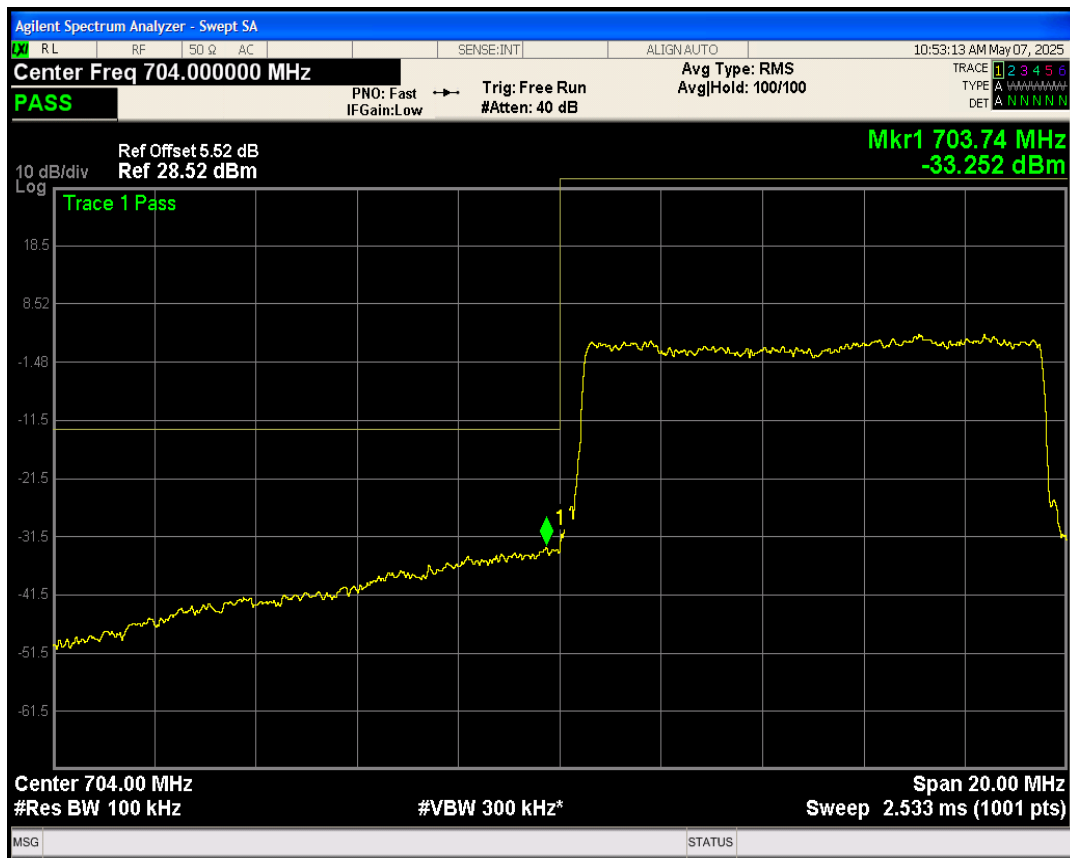


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

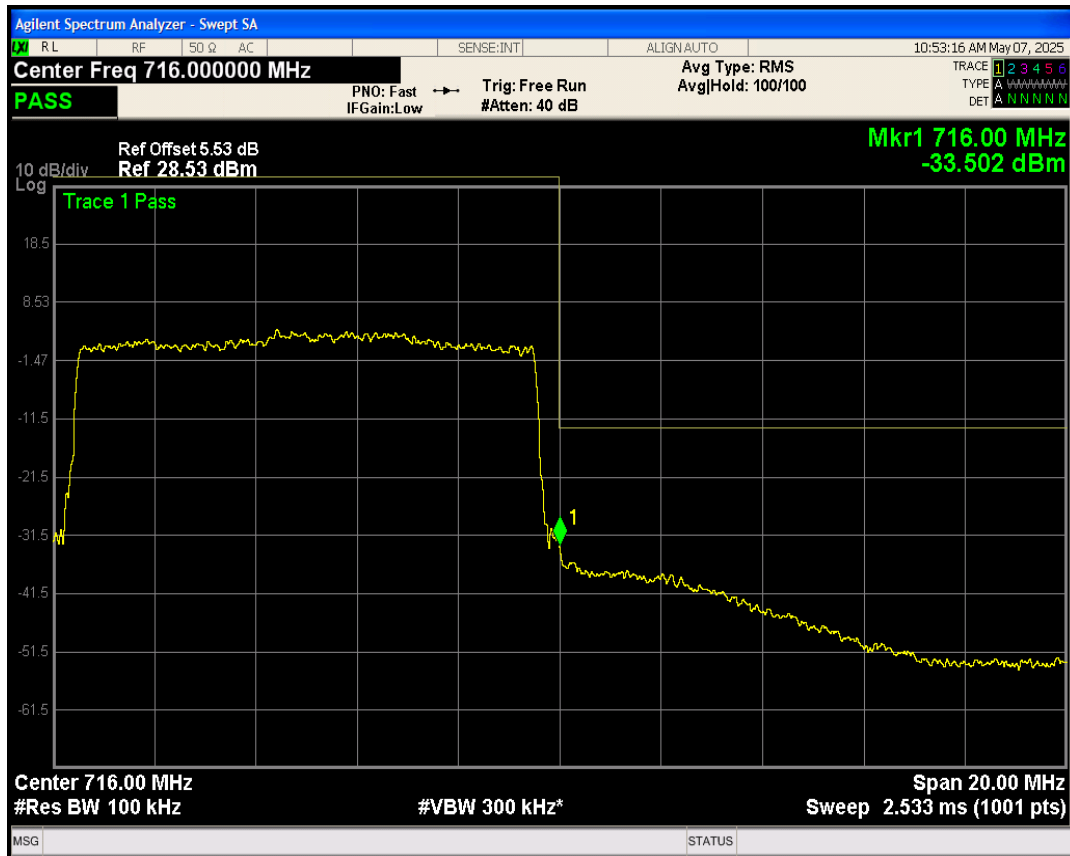




Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

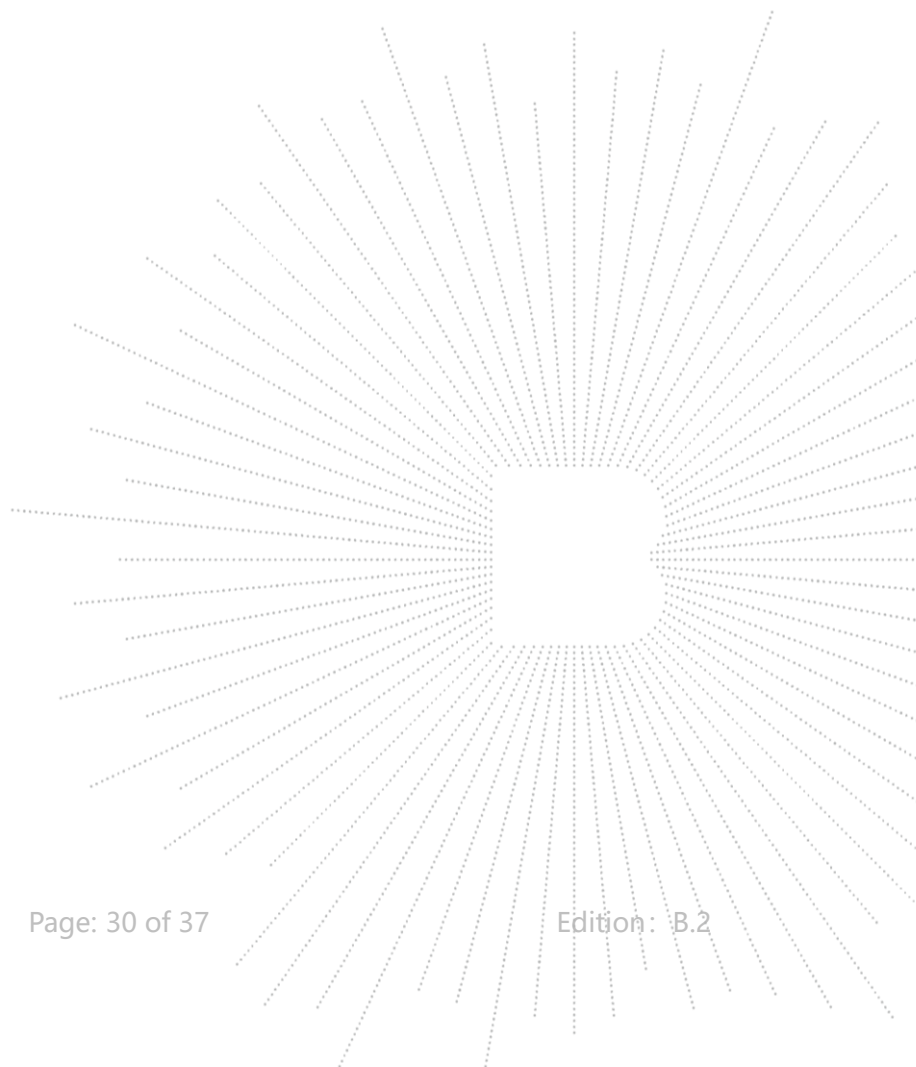
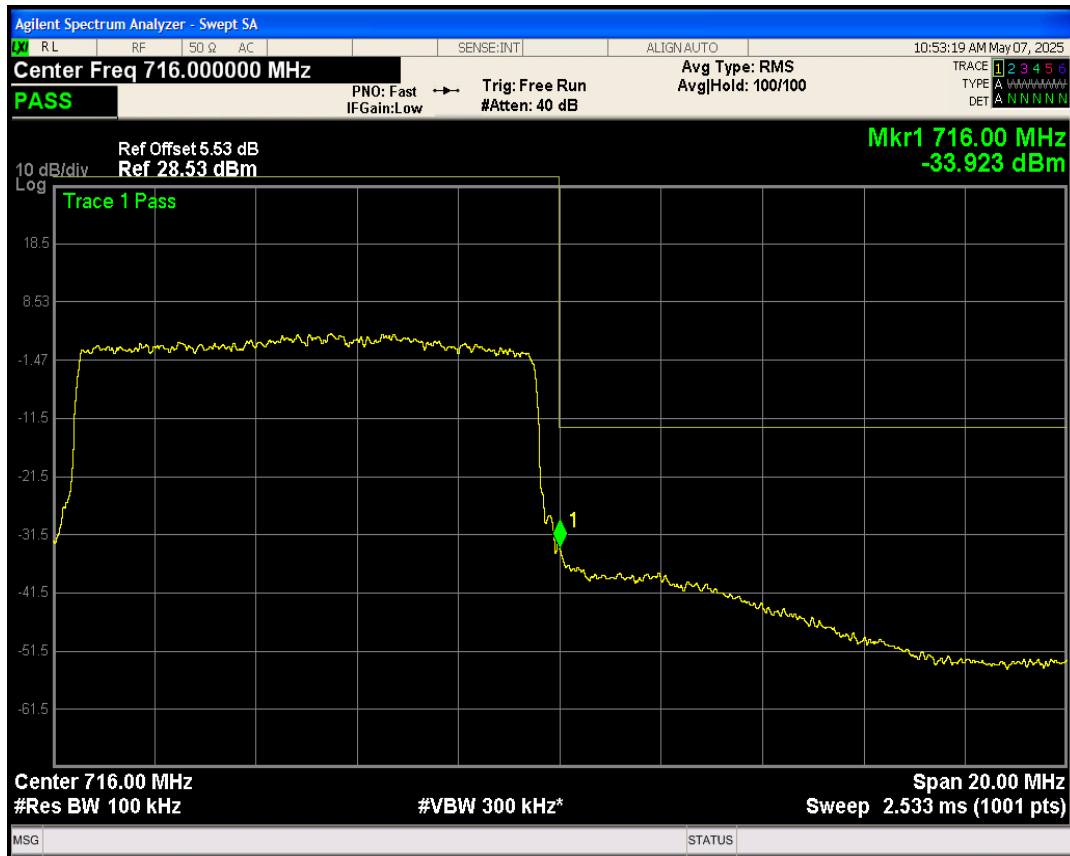


Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





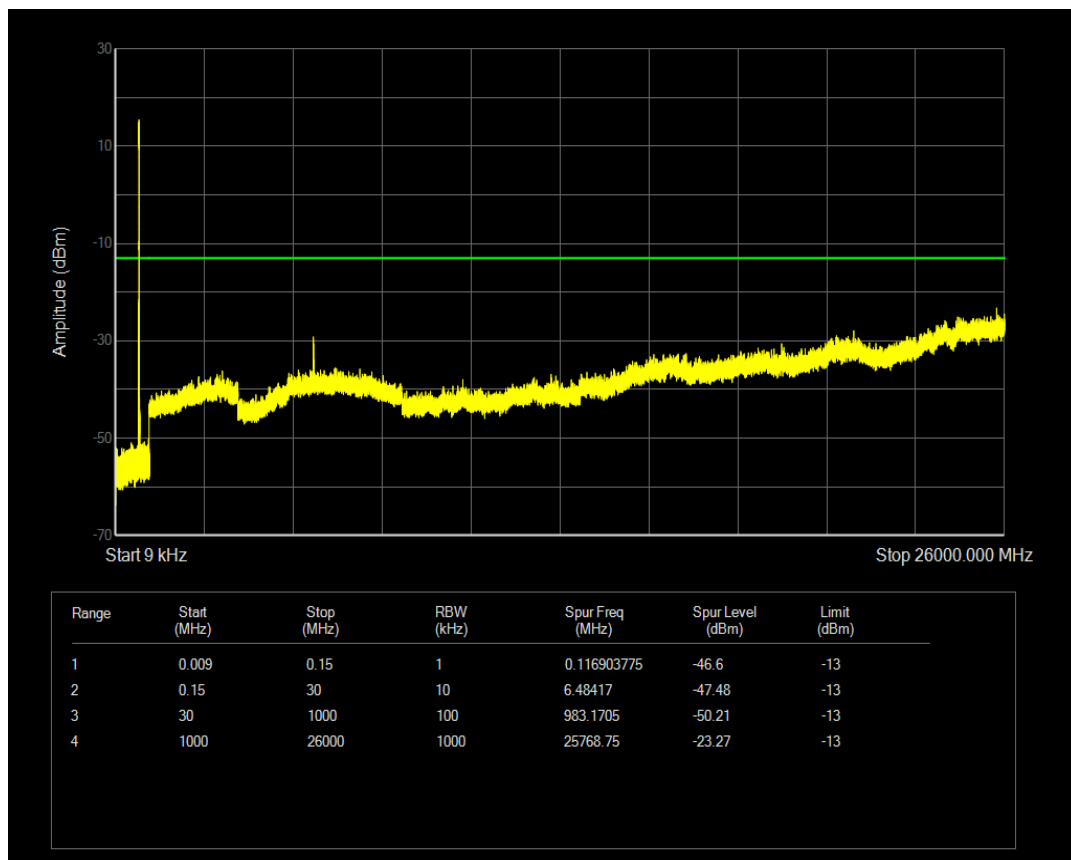
Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



Appendix 6. Out-of-band emissions

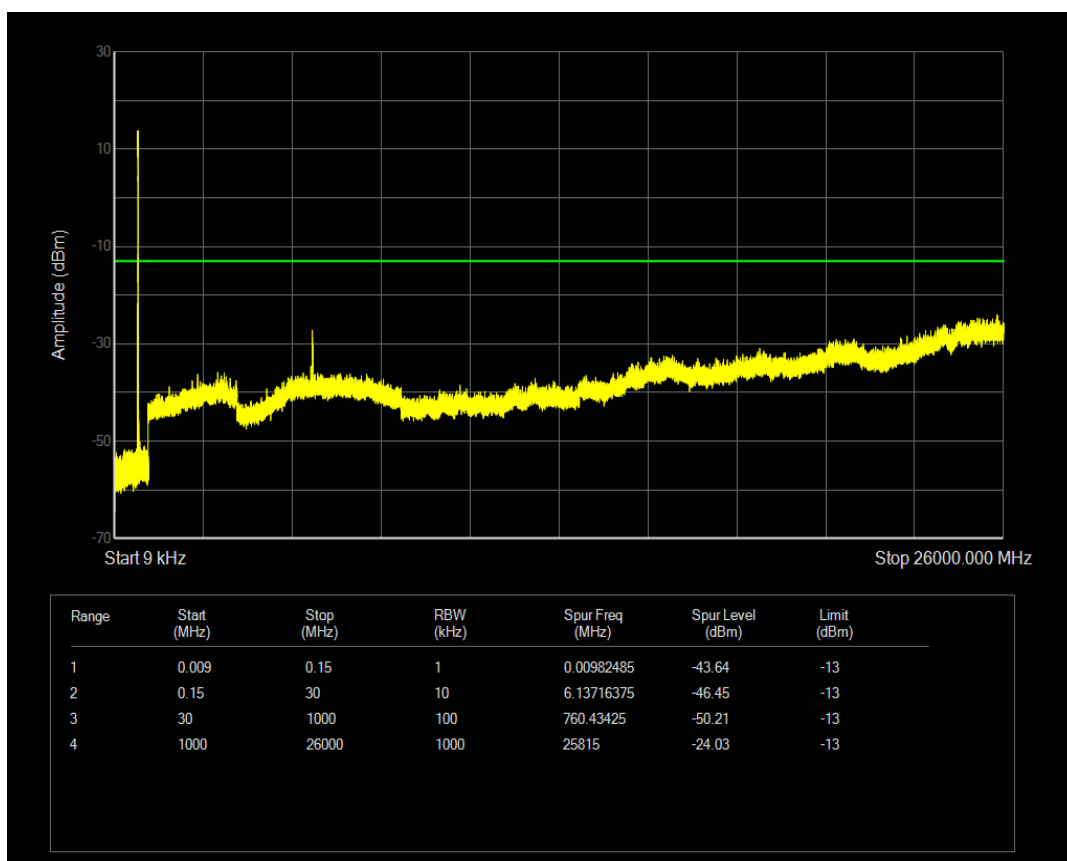
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	25768.75	-23.27	-13	PASS
Band17	5	23755	25	#0	16QAM	25815.00	-24.03	-13	PASS
Band17	5	23790	25	#0	QPSK	24689.38	-24.46	-13	PASS
Band17	5	23790	25	#0	16QAM	25830.63	-24.70	-13	PASS
Band17	5	23825	25	#0	QPSK	25515.00	-24.19	-13	PASS
Band17	5	23825	25	#0	16QAM	24983.75	-24.18	-13	PASS
Band17	10	23780	50	#0	QPSK	25802.50	-24.29	-13	PASS
Band17	10	23780	50	#0	16QAM	25701.25	-23.76	-13	PASS
Band17	10	23790	50	#0	QPSK	25755.00	-24.37	-13	PASS
Band17	10	23790	50	#0	16QAM	25316.88	-24.33	-13	PASS
Band17	10	23800	50	#0	QPSK	25615.63	-24.15	-13	PASS
Band17	10	23800	50	#0	16QAM	25323.13	-24.54	-13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

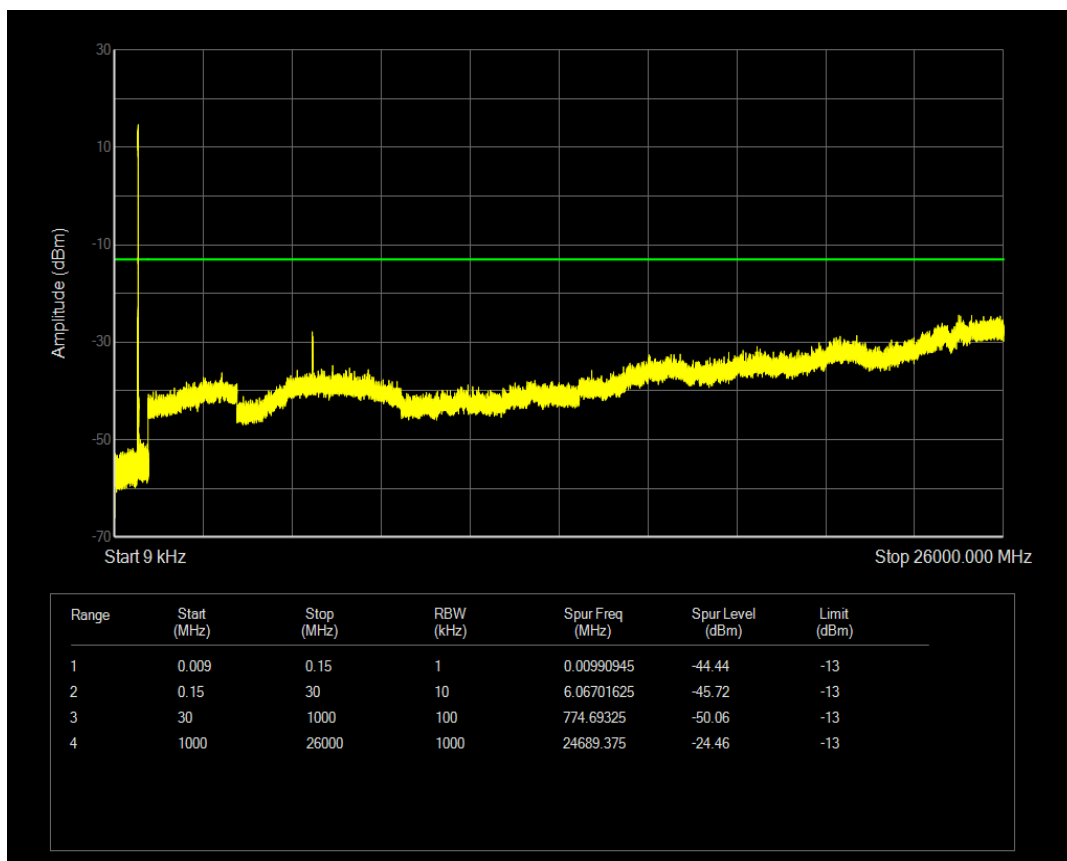




Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

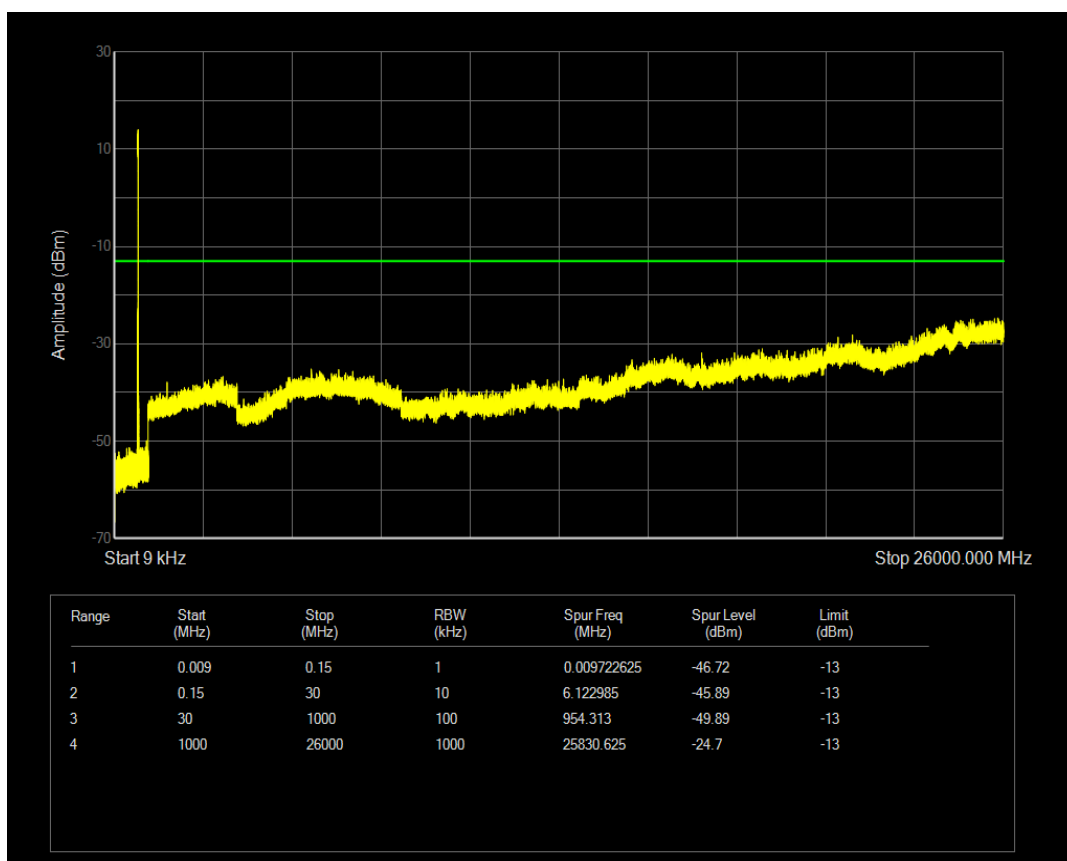


Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

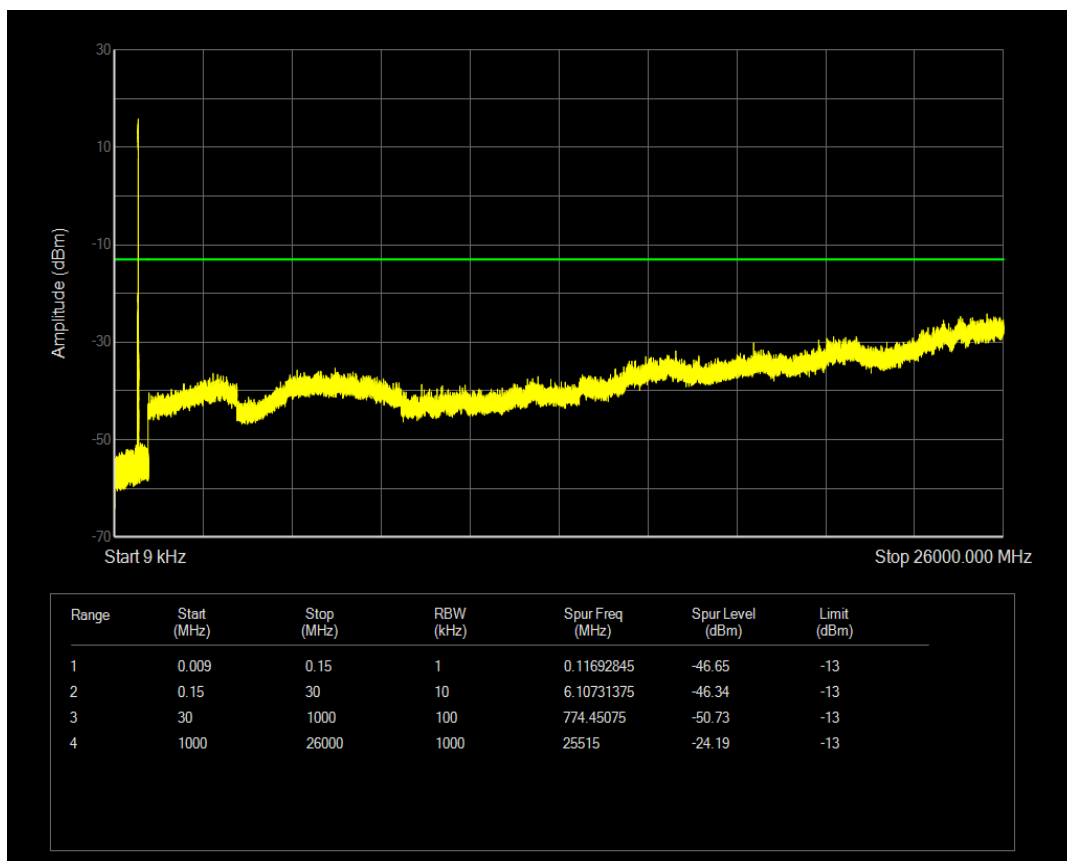




Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0

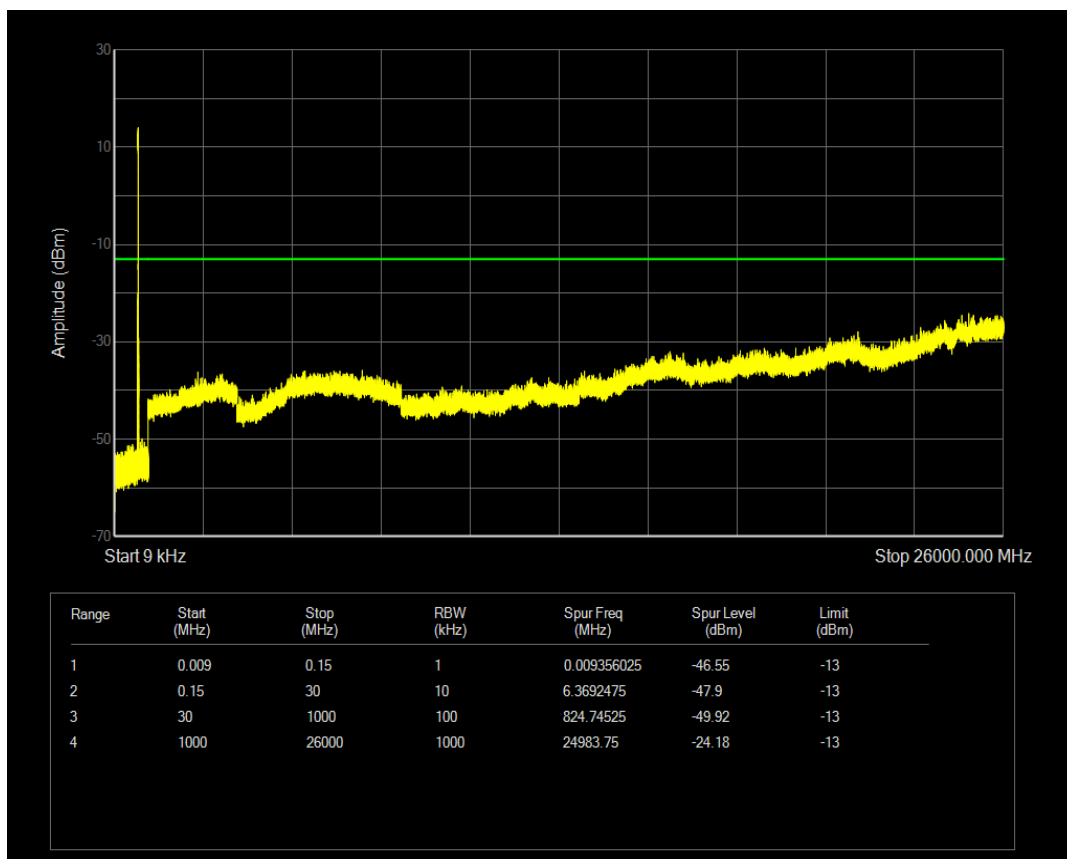


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

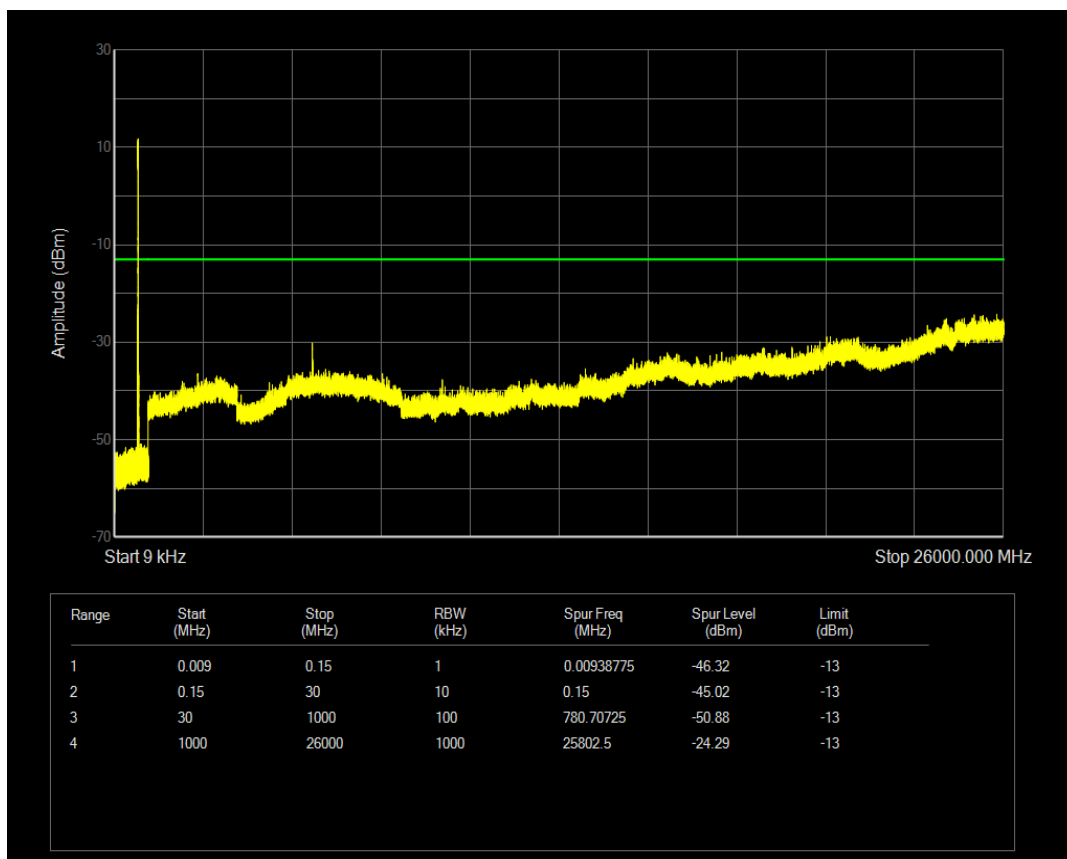




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

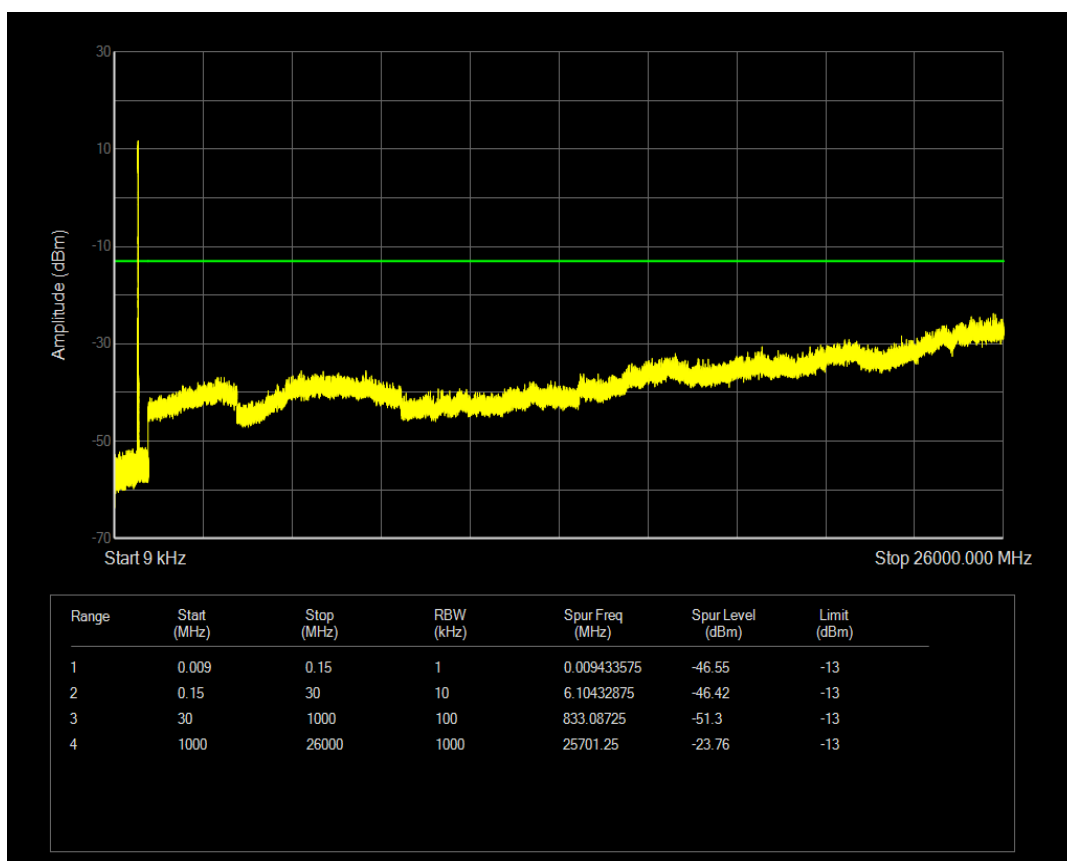


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

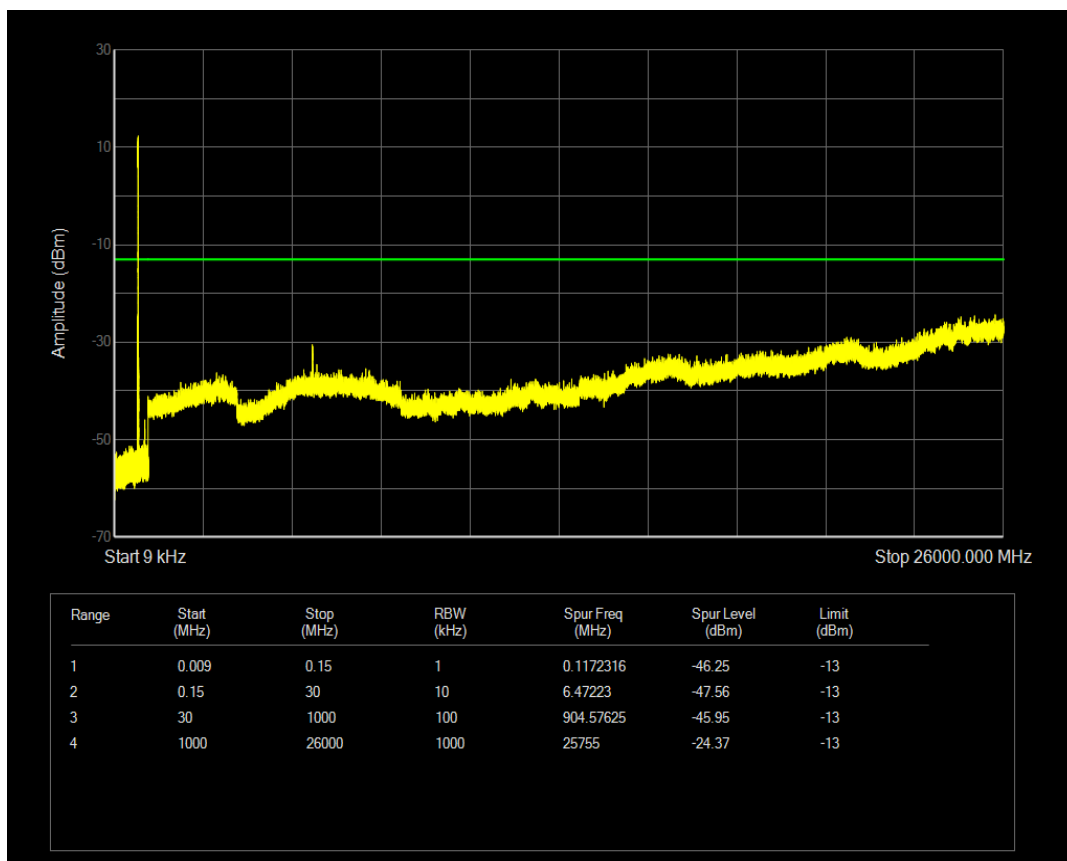




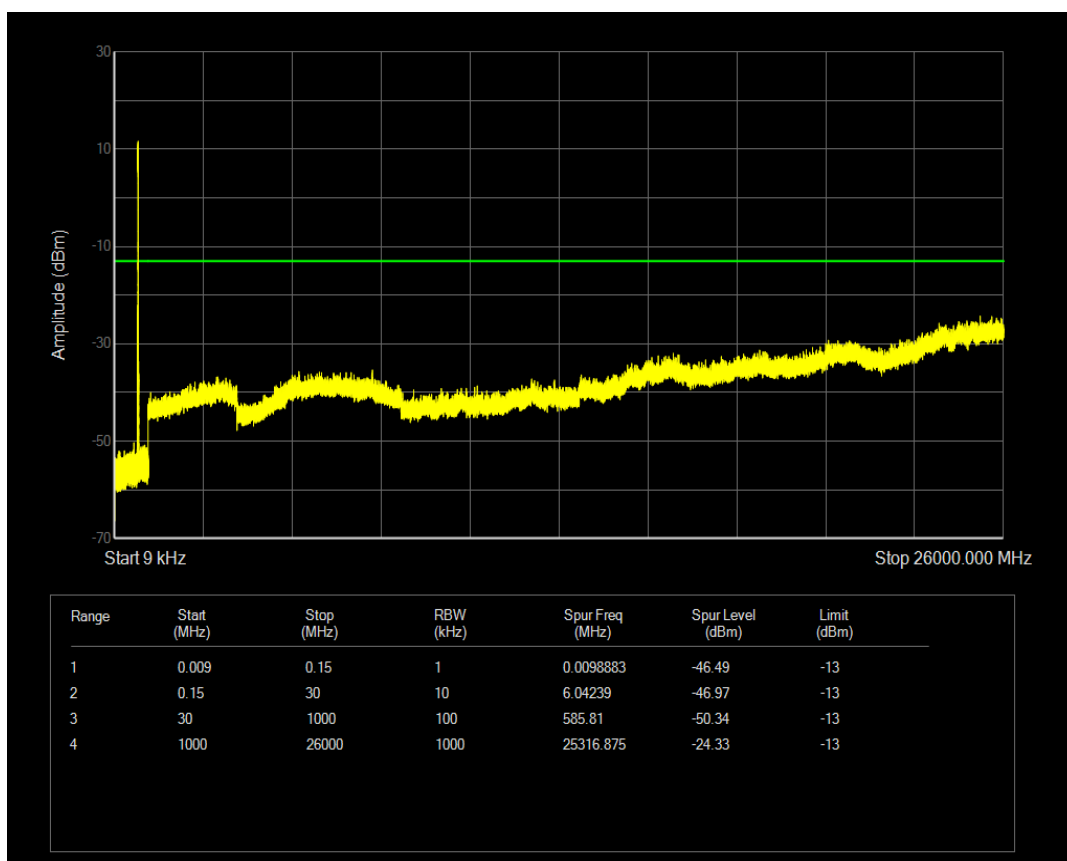
Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0



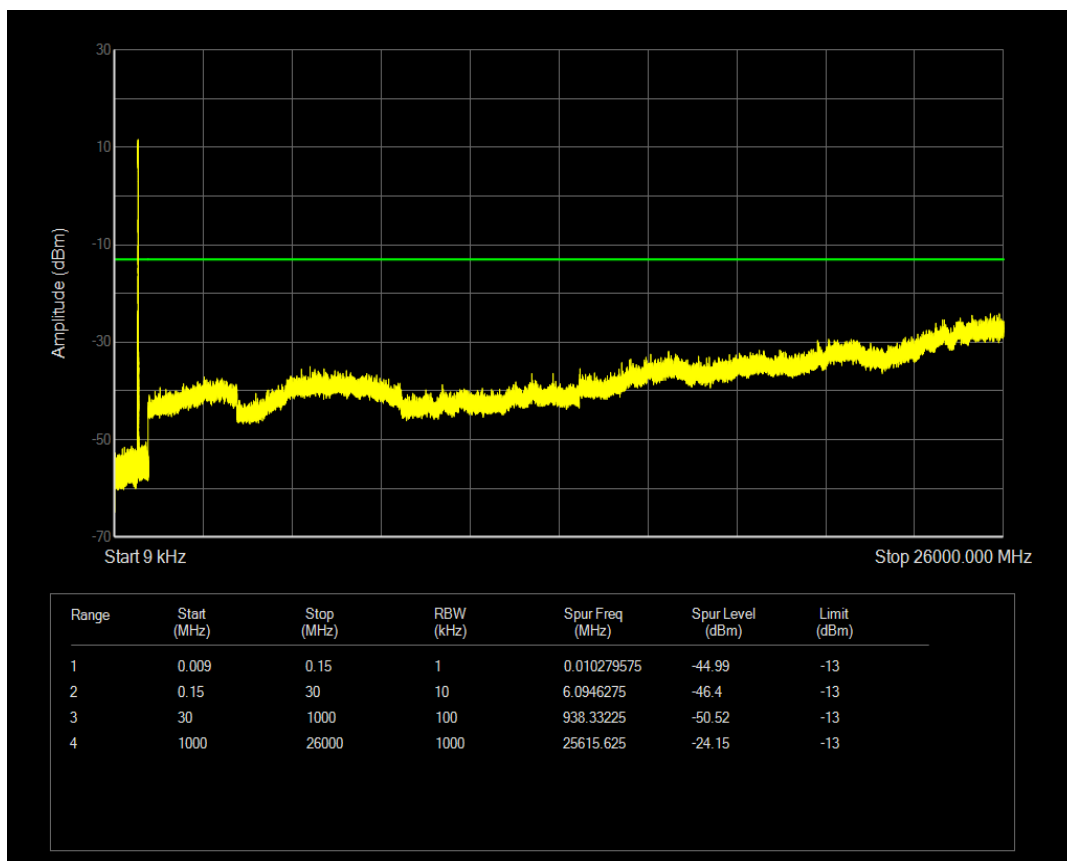
Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0



Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0



Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0

