

FCC ID: 2A4AS-2407A

Appendix for Band 14

Report No.: BCTC2408940416-5E

Applicant: EZTECH DIGITAL INC.

Product Name: IP Camera

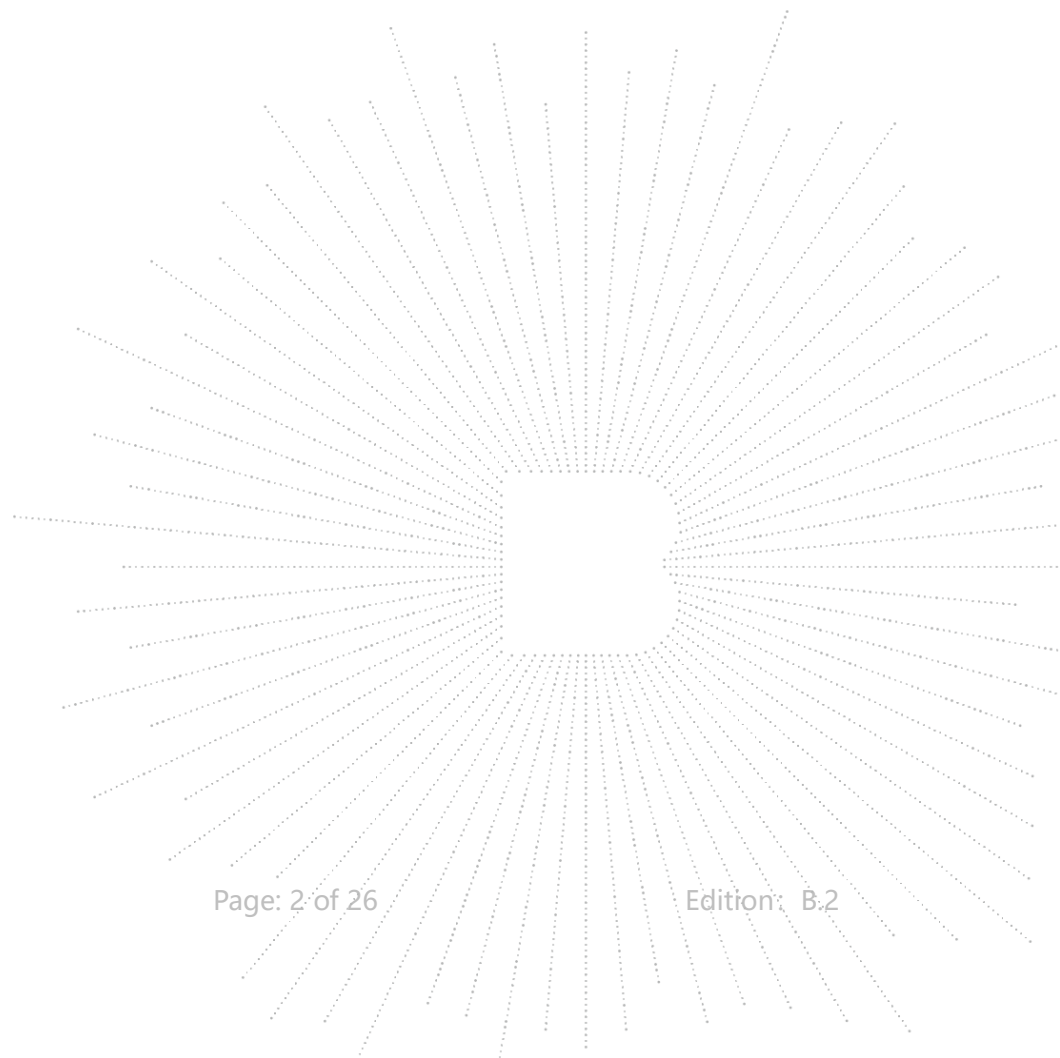
Test Model: Talon Pro

Tested Date: 2024-08-14 to 2024-11-26

Shenzhen BCTC Testing Co., Ltd.

Contents

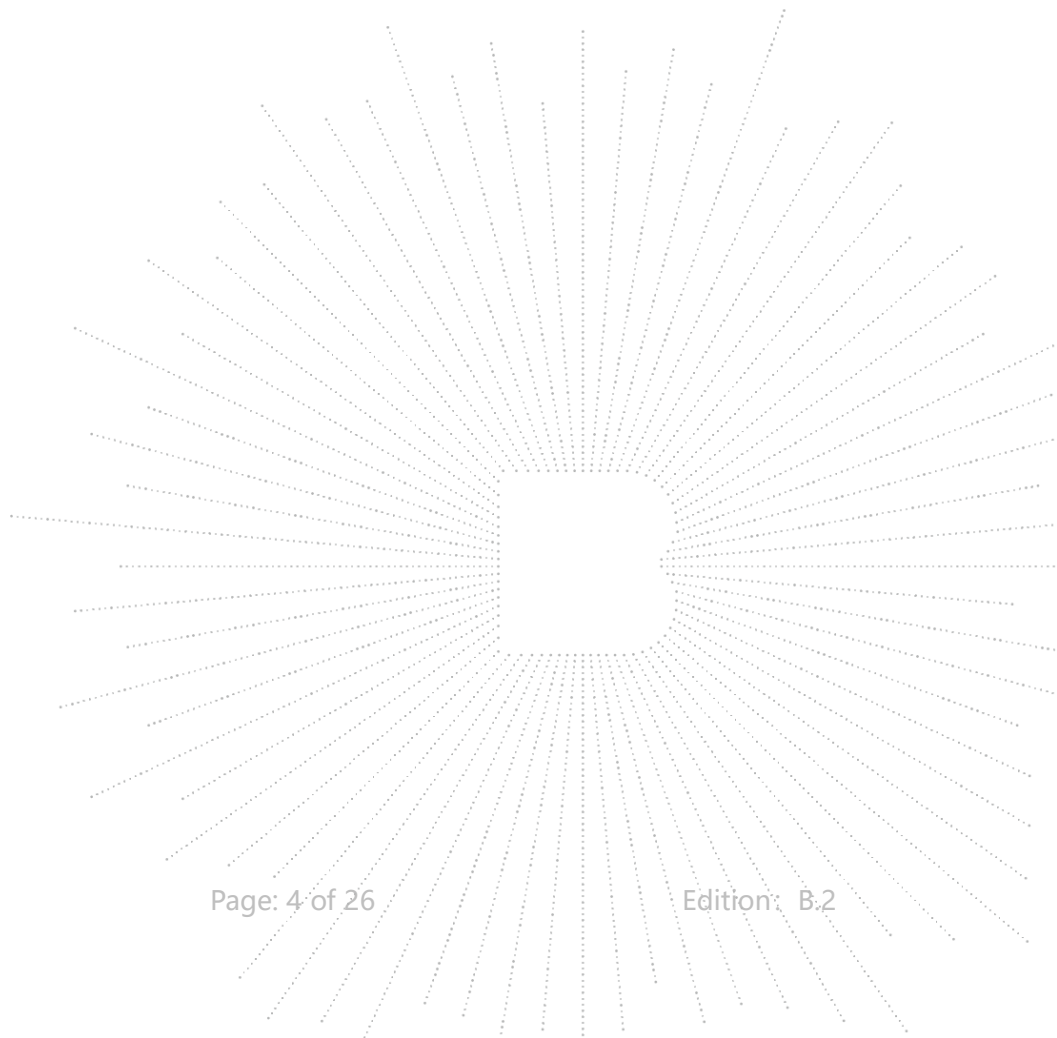
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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band14	5	23305	1	#0	QPSK	23.18	-2.3	18.73	PASS
Band14	5	23305	1	#Mid	QPSK	23.46	-2.3	19.01	PASS
Band14	5	23305	1	#Max	QPSK	23.45	-2.3	19.00	PASS
Band14	5	23305	12	#0	QPSK	22.32	-2.3	17.87	PASS
Band14	5	23305	12	#Mid	QPSK	22.22	-2.3	17.77	PASS
Band14	5	23305	12	#Max	QPSK	22.37	-2.3	17.92	PASS
Band14	5	23305	25	#0	QPSK	22.34	-2.3	17.89	PASS
Band14	5	23305	1	#0	16QAM	22.34	-2.3	17.89	PASS
Band14	5	23305	1	#Mid	16QAM	22.51	-2.3	18.06	PASS
Band14	5	23305	1	#Max	16QAM	22.48	-2.3	18.03	PASS
Band14	5	23305	12	#0	16QAM	20.99	-2.3	16.54	PASS
Band14	5	23305	12	#Mid	16QAM	21.08	-2.3	16.63	PASS
Band14	5	23305	12	#Max	16QAM	21.07	-2.3	16.62	PASS
Band14	5	23305	25	#0	16QAM	21.30	-2.3	16.85	PASS
Band14	5	23330	1	#0	QPSK	23.22	-2.3	18.77	PASS
Band14	5	23330	1	#Mid	QPSK	23.29	-2.3	18.84	PASS
Band14	5	23330	1	#Max	QPSK	23.36	-2.3	18.91	PASS
Band14	5	23330	12	#0	QPSK	22.35	-2.3	17.90	PASS
Band14	5	23330	12	#Mid	QPSK	22.26	-2.3	17.81	PASS
Band14	5	23330	12	#Max	QPSK	22.40	-2.3	17.95	PASS
Band14	5	23330	25	#0	QPSK	22.36	-2.3	17.91	PASS
Band14	5	23330	1	#0	16QAM	22.20	-2.3	17.75	PASS
Band14	5	23330	1	#Mid	16QAM	22.31	-2.3	17.86	PASS
Band14	5	23330	1	#Max	16QAM	22.30	-2.3	17.85	PASS
Band14	5	23330	12	#0	16QAM	21.20	-2.3	16.75	PASS
Band14	5	23330	12	#Mid	16QAM	21.13	-2.3	16.68	PASS
Band14	5	23330	12	#Max	16QAM	20.99	-2.3	16.54	PASS
Band14	5	23330	25	#0	16QAM	21.26	-2.3	16.81	PASS
Band14	5	23355	1	#0	QPSK	23.18	-2.3	18.73	PASS
Band14	5	23355	1	#Mid	QPSK	23.54	-2.3	19.09	PASS
Band14	5	23355	1	#Max	QPSK	23.24	-2.3	18.79	PASS
Band14	5	23355	12	#0	QPSK	22.38	-2.3	17.93	PASS
Band14	5	23355	12	#Mid	QPSK	22.42	-2.3	17.97	PASS
Band14	5	23355	12	#Max	QPSK	22.42	-2.3	17.97	PASS
Band14	5	23355	25	#0	QPSK	22.38	-2.3	17.93	PASS
Band14	5	23355	1	#0	16QAM	22.21	-2.3	17.76	PASS

Band14	5	23355	1	#Mid	16QAM	22.07	-2.3	17.62	PASS
Band14	5	23355	1	#Max	16QAM	22.10	-2.3	17.65	PASS
Band14	5	23355	12	#0	16QAM	21.13	-2.3	16.68	PASS
Band14	5	23355	12	#Mid	16QAM	21.18	-2.3	16.73	PASS
Band14	5	23355	12	#Max	16QAM	20.98	-2.3	16.53	PASS
Band14	5	23355	25	#0	16QAM	21.20	-2.3	16.75	PASS
Band14	10	23330	1	#0	QPSK	23.01	-2.3	18.56	PASS
Band14	10	23330	1	#Mid	QPSK	23.35	-2.3	18.90	PASS
Band14	10	23330	1	#Max	QPSK	23.18	-2.3	18.73	PASS
Band14	10	23330	25	#0	QPSK	22.23	-2.3	17.78	PASS
Band14	10	23330	25	#Mid	QPSK	22.33	-2.3	17.88	PASS
Band14	10	23330	25	#Max	QPSK	22.18	-2.3	17.73	PASS
Band14	10	23330	50	#0	QPSK	22.22	-2.3	17.77	PASS
Band14	10	23330	1	#0	16QAM	21.88	-2.3	17.43	PASS
Band14	10	23330	1	#Mid	16QAM	22.43	-2.3	17.98	PASS
Band14	10	23330	1	#Max	16QAM	21.64	-2.3	17.19	PASS
Band14	10	23330	25	#0	16QAM	21.07	-2.3	16.62	PASS
Band14	10	23330	25	#Mid	16QAM	21.21	-2.3	16.76	PASS
Band14	10	23330	25	#Max	16QAM	21.07	-2.3	16.62	PASS
Band14	10	23330	50	#0	16QAM	21.11	-2.3	16.66	PASS



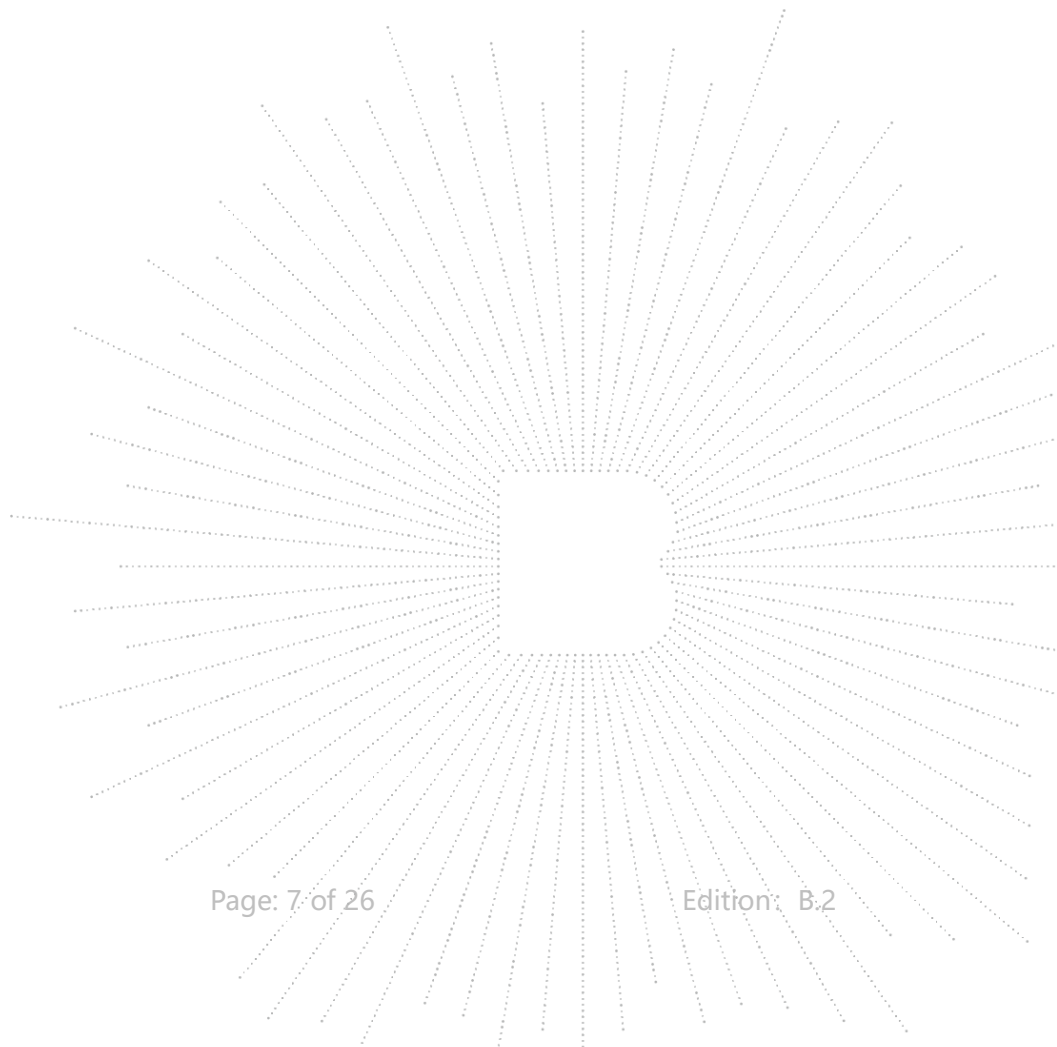
Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band14	5	23305	25	#0	QPSK	LV	NT	-1.79	-0.002	PASS
Band14	5	23305	25	#0	QPSK	NV	NT	-1.92	-0.002	PASS
Band14	5	23305	25	#0	QPSK	HV	NT	-2.23	-0.003	PASS
Band14	5	23305	25	#0	16QAM	LV	NT	-2.52	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	NT	-3.10	-0.004	PASS
Band14	5	23305	25	#0	16QAM	HV	NT	-2.73	-0.003	PASS
Band14	5	23330	25	#0	QPSK	LV	NT	-1.76	-0.002	PASS
Band14	5	23330	25	#0	QPSK	NV	NT	-1.22	-0.002	PASS
Band14	5	23330	25	#0	QPSK	HV	NT	-1.89	-0.002	PASS
Band14	5	23330	25	#0	16QAM	LV	NT	-1.47	-0.002	PASS
Band14	5	23330	25	#0	16QAM	NV	NT	-0.56	-0.001	PASS
Band14	5	23330	25	#0	16QAM	HV	NT	-1.46	-0.002	PASS
Band14	5	23355	25	#0	QPSK	LV	NT	-2.33	-0.003	PASS
Band14	5	23355	25	#0	QPSK	NV	NT	-1.26	-0.002	PASS
Band14	5	23355	25	#0	QPSK	HV	NT	-1.12	-0.001	PASS
Band14	5	23355	25	#0	16QAM	LV	NT	-0.60	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	NT	-0.59	-0.001	PASS
Band14	5	23355	25	#0	16QAM	HV	NT	-0.41	-0.001	PASS
Band14	10	23330	50	#0	QPSK	LV	NT	-1.36	-0.002	PASS
Band14	10	23330	50	#0	QPSK	NV	NT	-0.44	-0.001	PASS
Band14	10	23330	50	#0	QPSK	HV	NT	-1.27	-0.002	PASS
Band14	10	23330	50	#0	16QAM	LV	NT	-1.04	-0.001	PASS
Band14	10	23330	50	#0	16QAM	NV	NT	-0.84	-0.001	PASS
Band14	10	23330	50	#0	16QAM	HV	NT	-0.86	-0.001	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band14	5	23305	25	#0	QPSK	NV	-30	-2.33	-0.003	PASS
Band14	5	23305	25	#0	QPSK	NV	-20	-1.86	-0.002	PASS
Band14	5	23305	25	#0	QPSK	NV	-10	-2.19	-0.003	PASS
Band14	5	23305	25	#0	QPSK	NV	0	-1.07	-0.001	PASS
Band14	5	23305	25	#0	QPSK	NV	10	-2.07	-0.003	PASS
Band14	5	23305	25	#0	QPSK	NV	20	-1.63	-0.002	PASS
Band14	5	23305	25	#0	QPSK	NV	30	-2.75	-0.003	PASS
Band14	5	23305	25	#0	QPSK	NV	40	-1.72	-0.002	PASS
Band14	5	23305	25	#0	QPSK	NV	50	-2.09	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	-30	-2.23	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	-20	-1.23	-0.002	PASS

Band14	5	23305	25	#0	16QAM	NV	-10	-2.23	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	0	-2.15	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	10	-2.70	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	20	-1.04	-0.001	PASS
Band14	5	23305	25	#0	16QAM	NV	30	-1.77	-0.002	PASS
Band14	5	23305	25	#0	16QAM	NV	40	-2.50	-0.003	PASS
Band14	5	23305	25	#0	16QAM	NV	50	-2.29	-0.003	PASS
Band14	5	23330	25	#0	QPSK	NV	-30	-0.51	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	-20	-0.47	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	-10	-1.04	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	0	-1.09	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	10	-0.84	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	20	-1.59	-0.002	PASS
Band14	5	23330	25	#0	QPSK	NV	30	-0.26	0.000	PASS
Band14	5	23330	25	#0	QPSK	NV	40	-0.97	-0.001	PASS
Band14	5	23330	25	#0	QPSK	NV	50	-1.00	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	-30	-0.99	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	-20	-1.29	-0.002	PASS
Band14	5	23330	25	#0	16QAM	NV	-10	-0.31	0.000	PASS
Band14	5	23330	25	#0	16QAM	NV	0	-1.00	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	10	-1.49	-0.002	PASS
Band14	5	23330	25	#0	16QAM	NV	20	-1.06	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	30	-1.12	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	40	-1.16	-0.001	PASS
Band14	5	23330	25	#0	16QAM	NV	50	-1.83	-0.002	PASS
Band14	5	23355	25	#0	QPSK	NV	-30	0.00	0.000	PASS
Band14	5	23355	25	#0	QPSK	NV	-20	0.62	0.001	PASS
Band14	5	23355	25	#0	QPSK	NV	-10	0.59	0.001	PASS
Band14	5	23355	25	#0	QPSK	NV	0	-0.31	0.000	PASS
Band14	5	23355	25	#0	QPSK	NV	10	-0.24	0.000	PASS
Band14	5	23355	25	#0	QPSK	NV	20	0.41	0.001	PASS
Band14	5	23355	25	#0	QPSK	NV	30	-0.99	-0.001	PASS
Band14	5	23355	25	#0	QPSK	NV	40	-0.20	0.000	PASS
Band14	5	23355	25	#0	QPSK	NV	50	-0.39	0.000	PASS
Band14	5	23355	25	#0	16QAM	NV	-30	-0.17	0.000	PASS
Band14	5	23355	25	#0	16QAM	NV	-20	0.37	0.000	PASS
Band14	5	23355	25	#0	16QAM	NV	-10	-1.30	-0.002	PASS
Band14	5	23355	25	#0	16QAM	NV	0	-0.80	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	10	-0.99	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	20	-0.84	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	30	-0.89	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	40	-1.02	-0.001	PASS
Band14	5	23355	25	#0	16QAM	NV	50	-0.76	-0.001	PASS

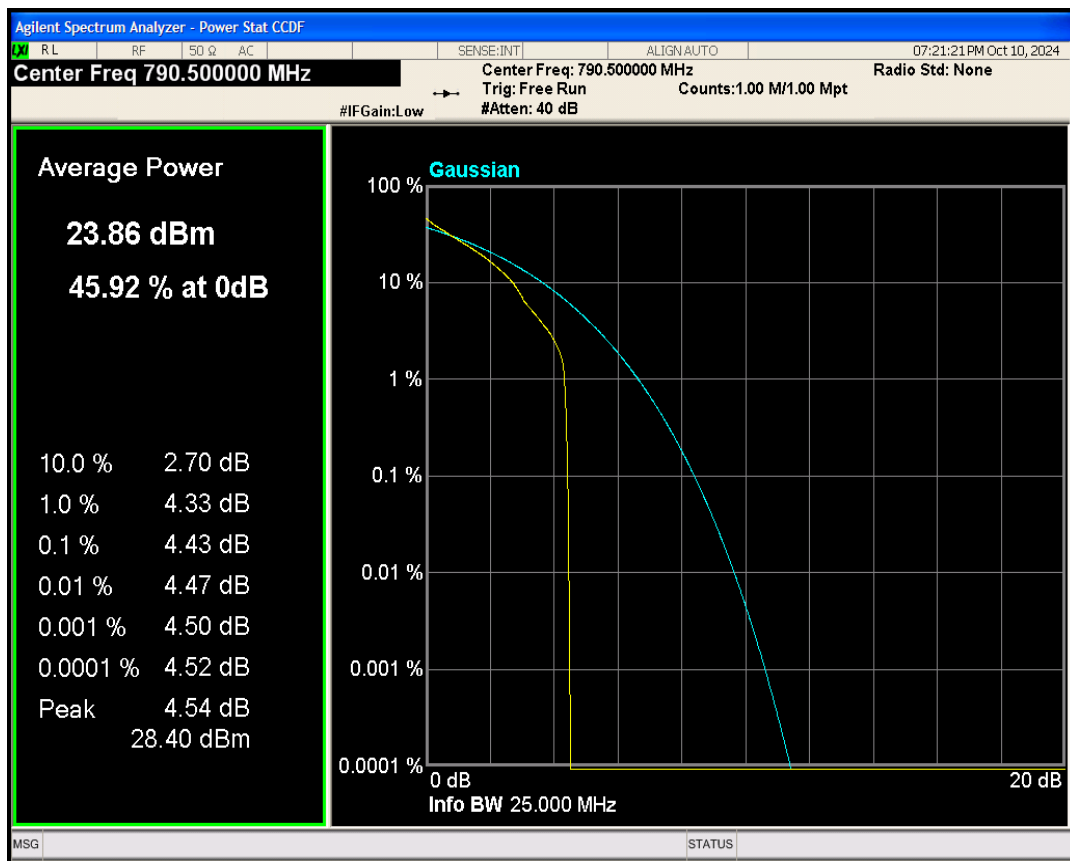
Band14	10	23330	50	#0	QPSK	NV	-30	-0.44	-0.001	PASS
Band14	10	23330	50	#0	QPSK	NV	-20	-0.03	0.000	PASS
Band14	10	23330	50	#0	QPSK	NV	-10	-1.24	-0.002	PASS
Band14	10	23330	50	#0	QPSK	NV	0	-1.09	-0.001	PASS
Band14	10	23330	50	#0	QPSK	NV	10	-1.07	-0.001	PASS
Band14	10	23330	50	#0	QPSK	NV	20	-1.27	-0.002	PASS
Band14	10	23330	50	#0	QPSK	NV	30	-1.37	-0.002	PASS
Band14	10	23330	50	#0	QPSK	NV	40	-1.39	-0.002	PASS
Band14	10	23330	50	#0	QPSK	NV	50	-0.92	-0.001	PASS
Band14	10	23330	50	#0	16QAM	NV	-30	-1.02	-0.001	PASS
Band14	10	23330	50	#0	16QAM	NV	-20	-1.49	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	-10	-0.46	-0.001	PASS
Band14	10	23330	50	#0	16QAM	NV	0	-1.33	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	10	-1.49	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	20	-1.60	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	30	-1.72	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	40	-1.69	-0.002	PASS
Band14	10	23330	50	#0	16QAM	NV	50	-0.50	-0.001	PASS



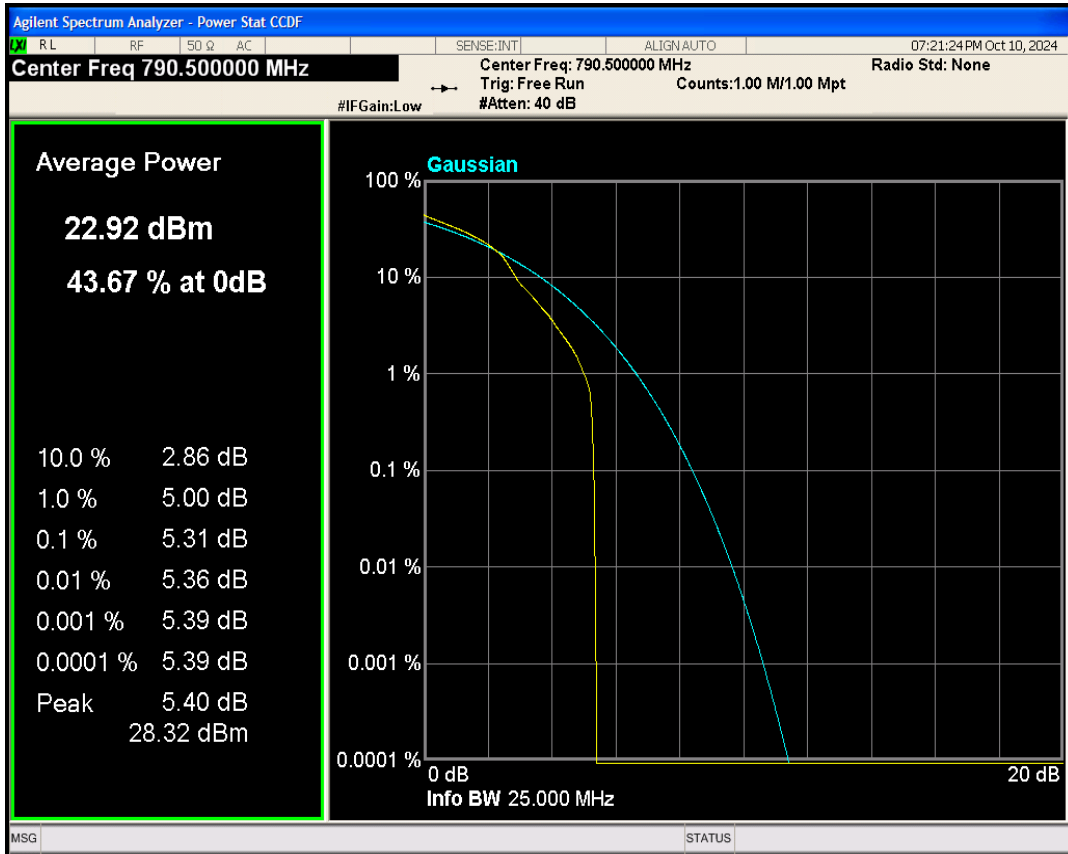
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band14	5	23305	1	#0	QPSK	4.43	13	PASS
Band14	5	23305	1	#0	16QAM	5.31	13	PASS
Band14	5	23330	1	#0	QPSK	4.20	13	PASS
Band14	5	23330	1	#0	16QAM	4.92	13	PASS
Band14	5	23355	1	#0	QPSK	4.35	13	PASS
Band14	5	23355	1	#0	16QAM	5.10	13	PASS
Band14	10	23330	1	#0	QPSK	4.34	13	PASS
Band14	10	23330	1	#0	16QAM	5.18	13	PASS

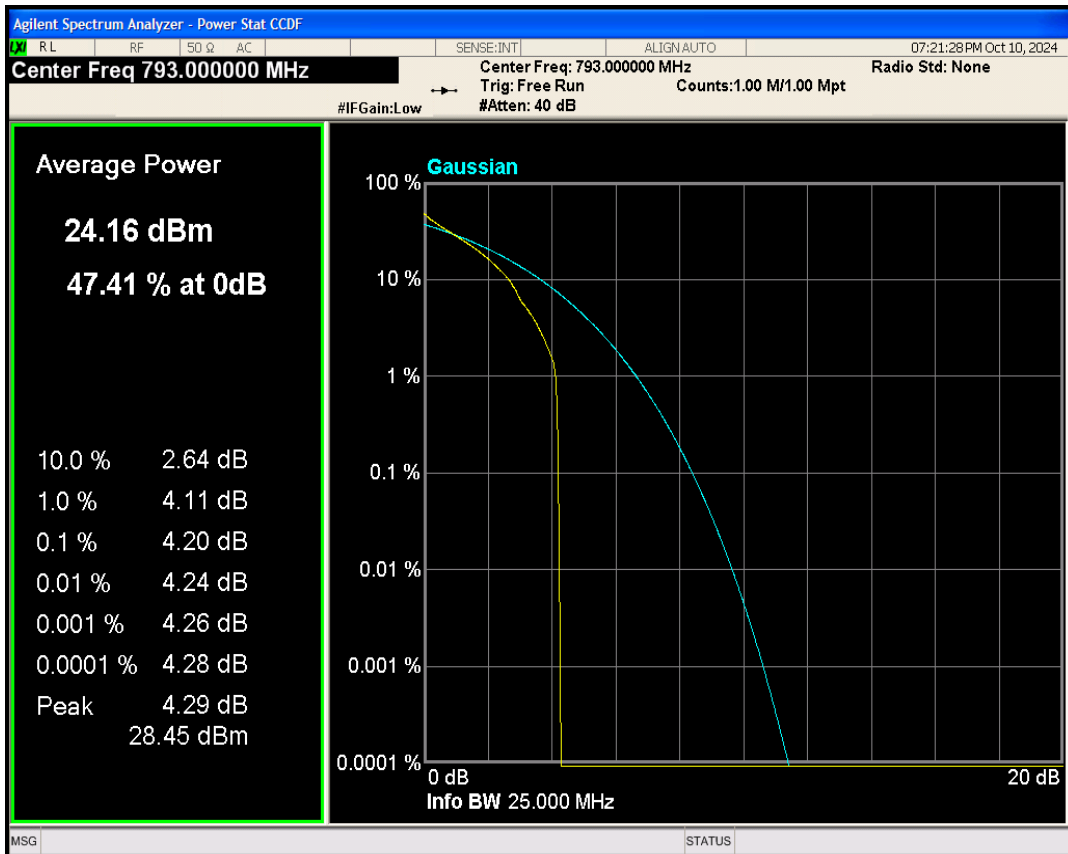
Band14 QPSK BW=5MHz Channel=23305 RB Size=1 Position=#0



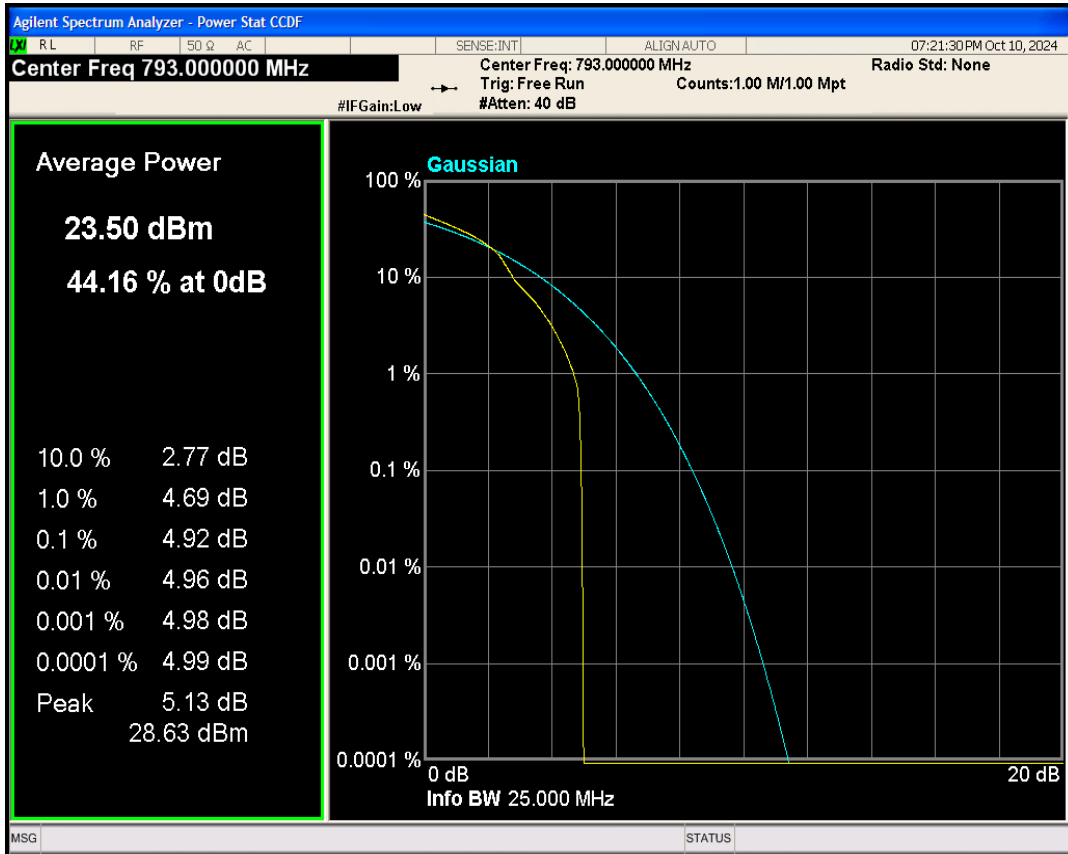
Band14 16QAM BW=5MHz Channel=23305 RB Size=1 Position=#0



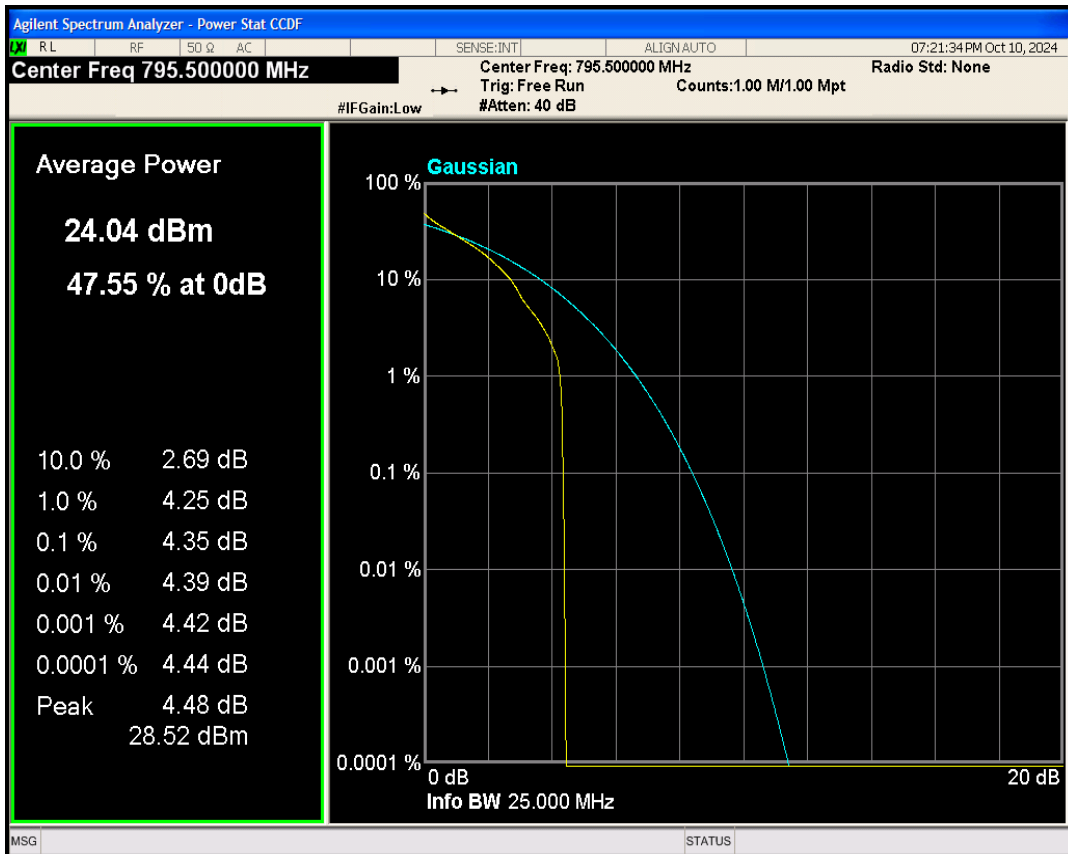
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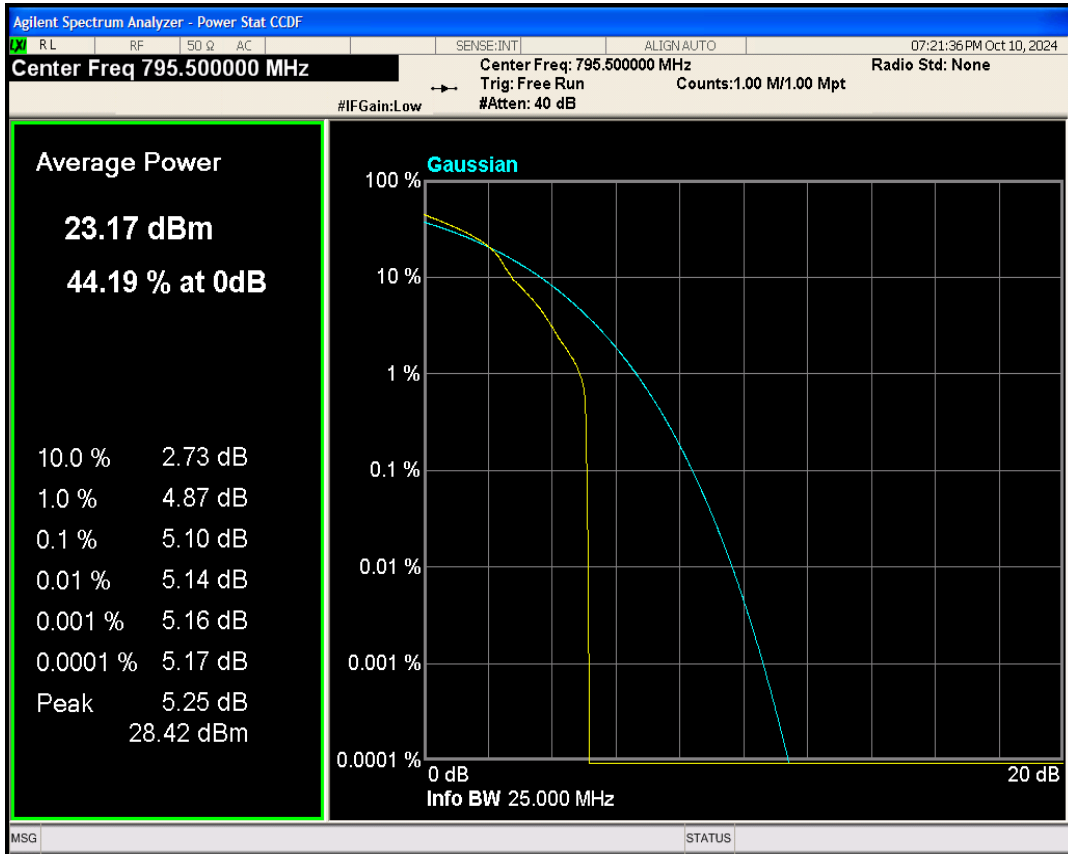
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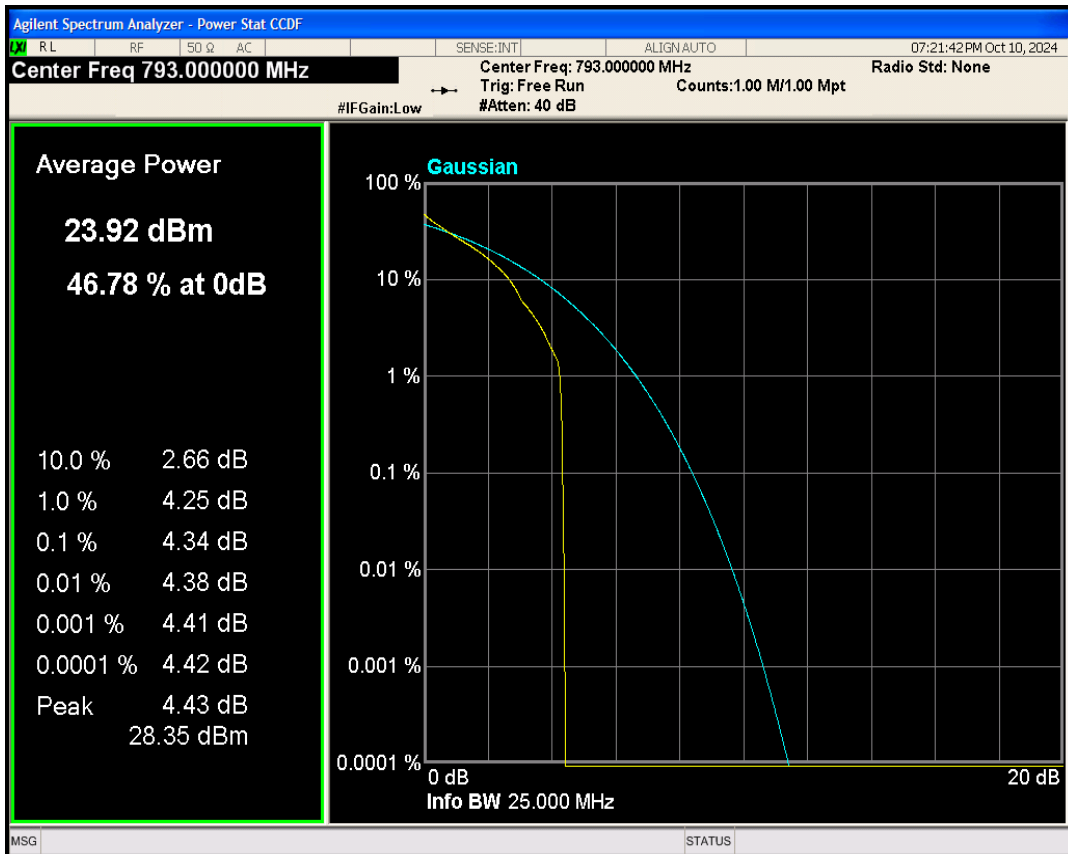
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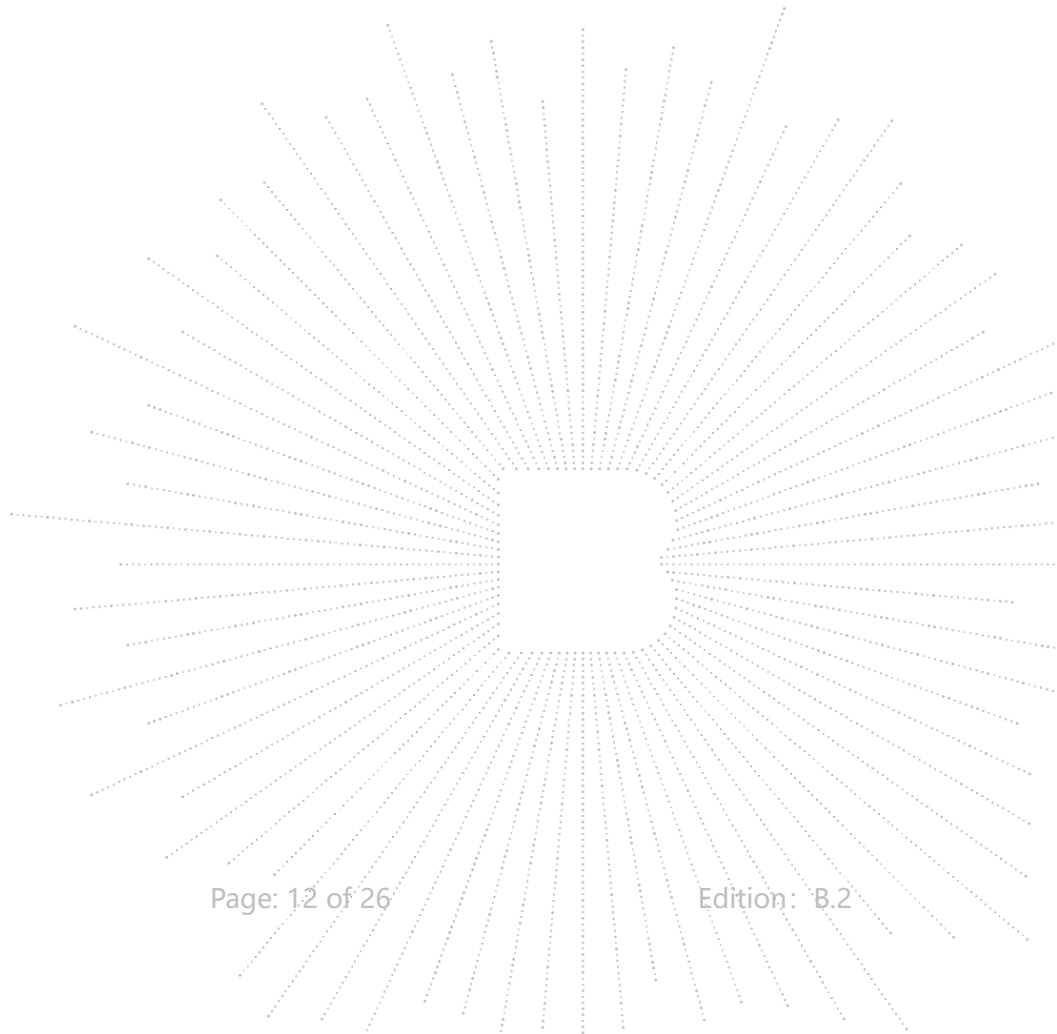
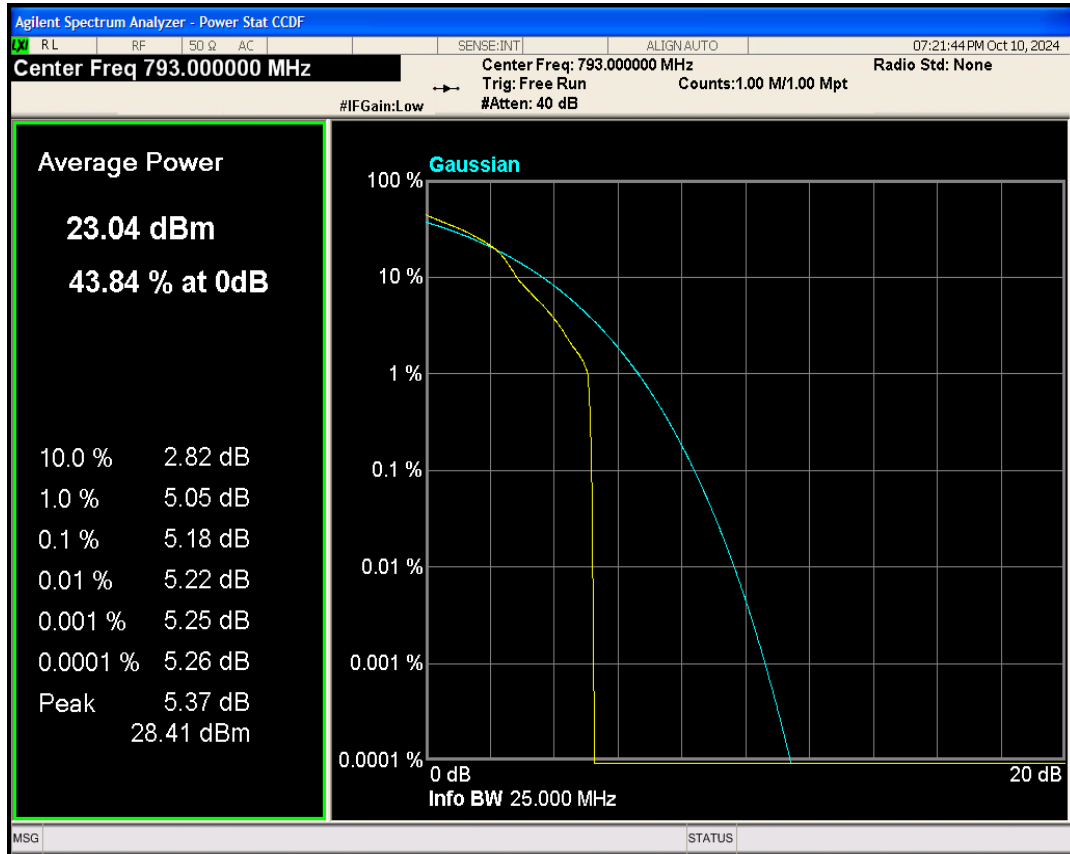
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Band14 QPSK BW=10MHz Channel=23330 RB Size=1 Position=#0



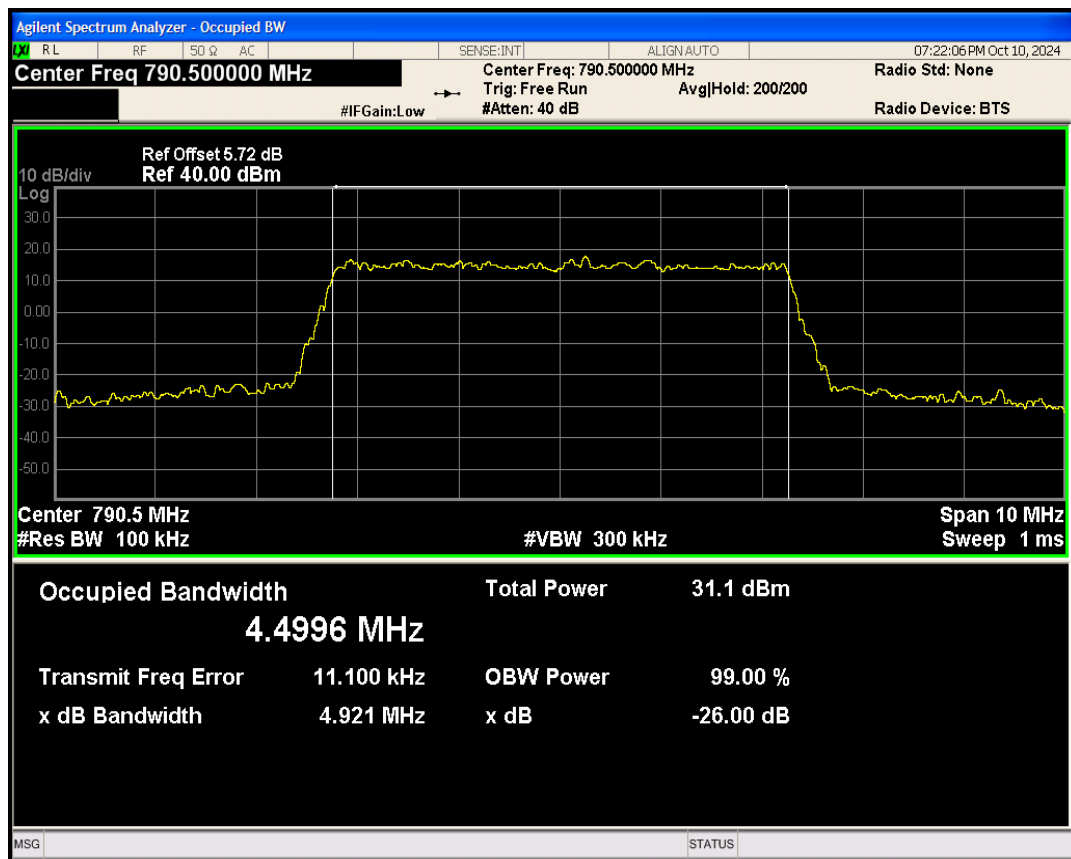
Band14 16QAM BW=10MHz Channel=23330 RB Size=1 Position=#0



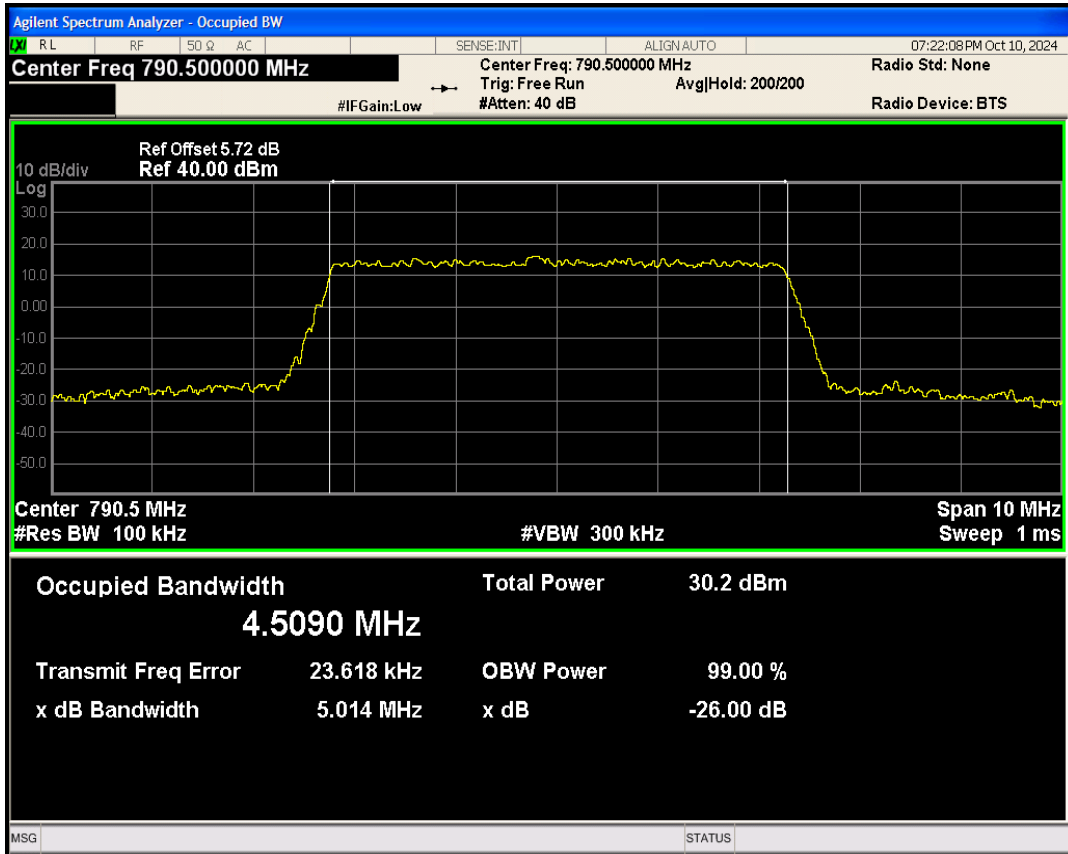
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band14	5	23305	25	#0	QPSK	4.500	4.921	PASS
Band14	5	23305	25	#0	16QAM	4.509	5.014	PASS
Band14	5	23330	25	#0	QPSK	4.507	4.966	PASS
Band14	5	23330	25	#0	16QAM	4.501	4.985	PASS
Band14	5	23355	25	#0	QPSK	4.515	4.979	PASS
Band14	5	23355	25	#0	16QAM	4.517	4.980	PASS
Band14	10	23330	50	#0	QPSK	8.975	9.811	PASS
Band14	10	23330	50	#0	16QAM	8.981	9.784	PASS

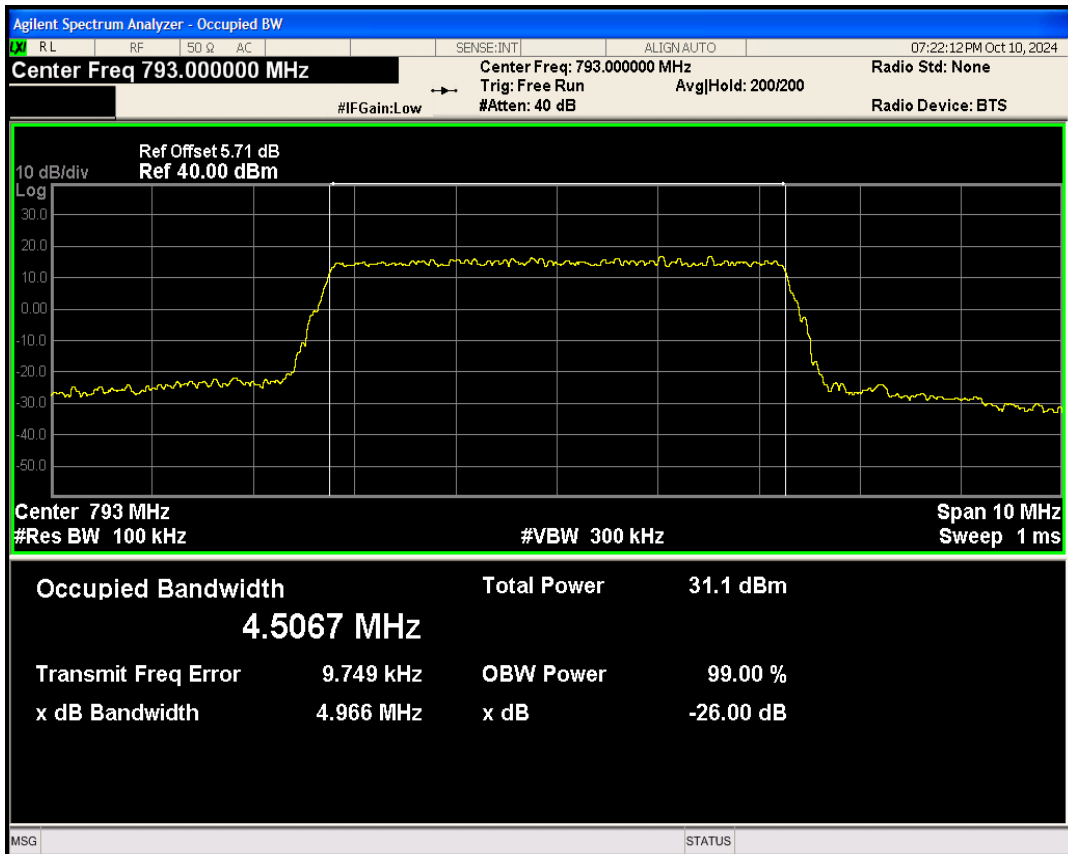
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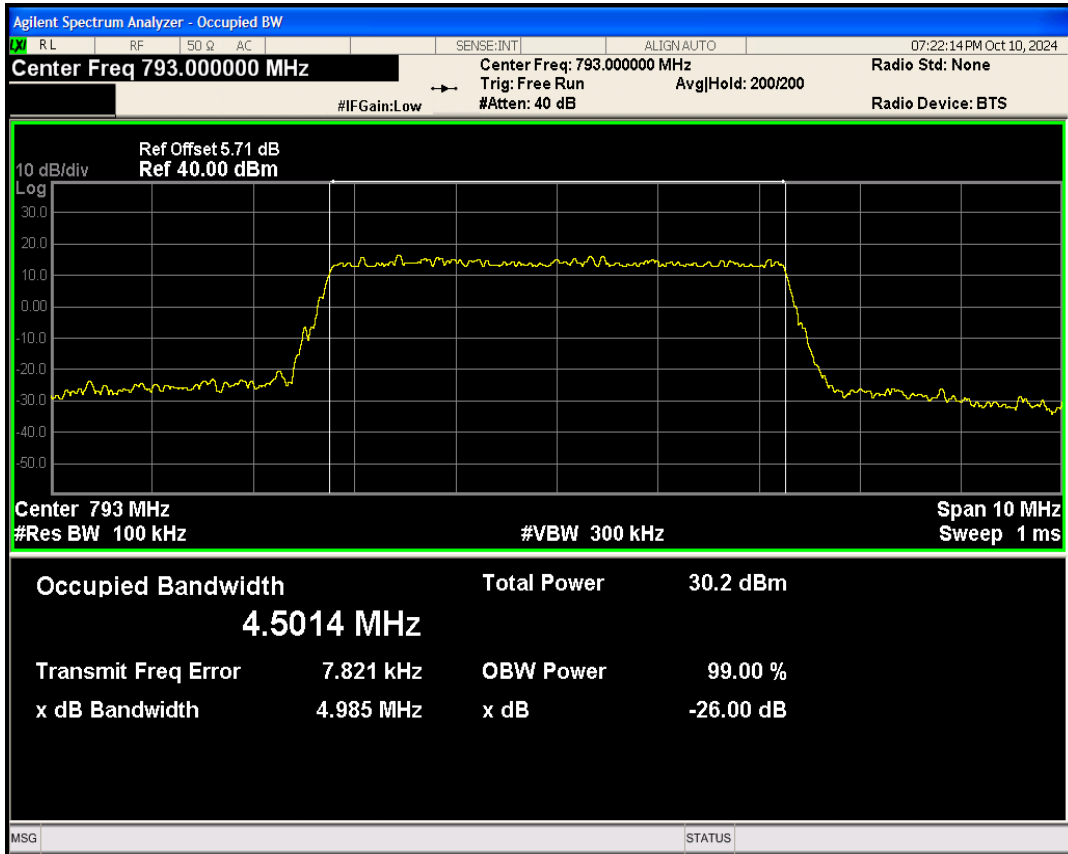
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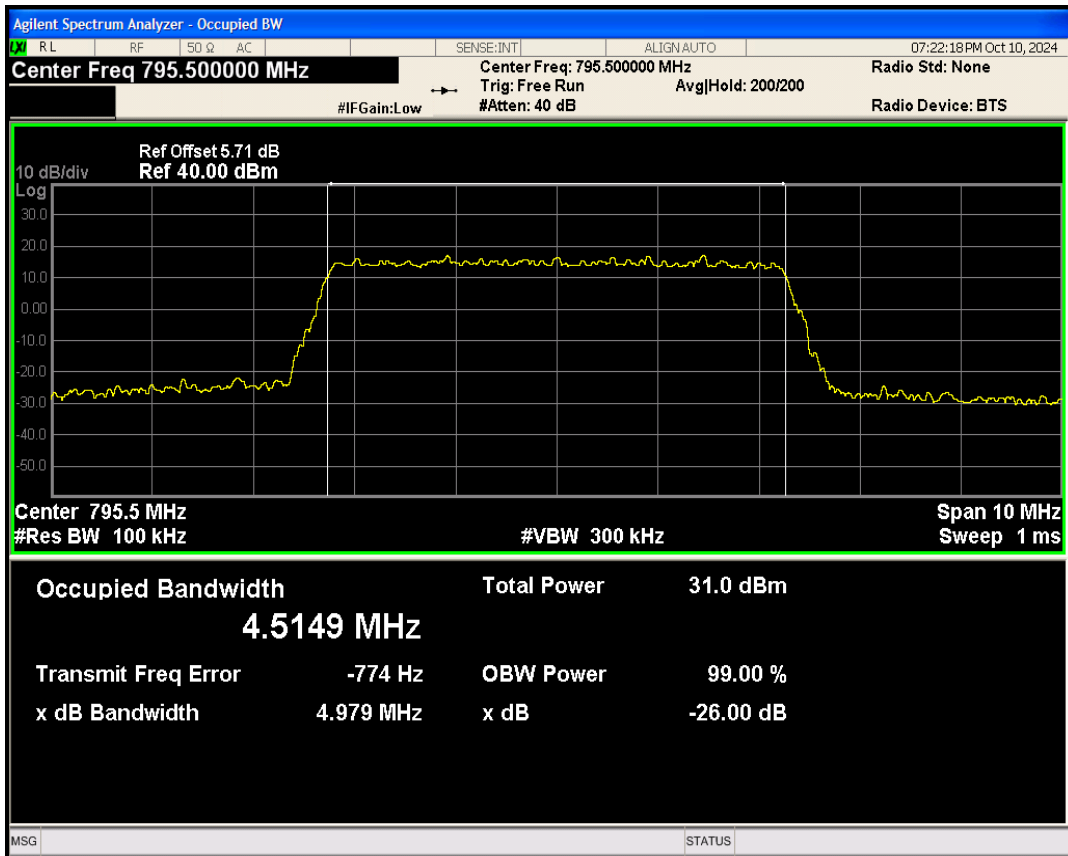
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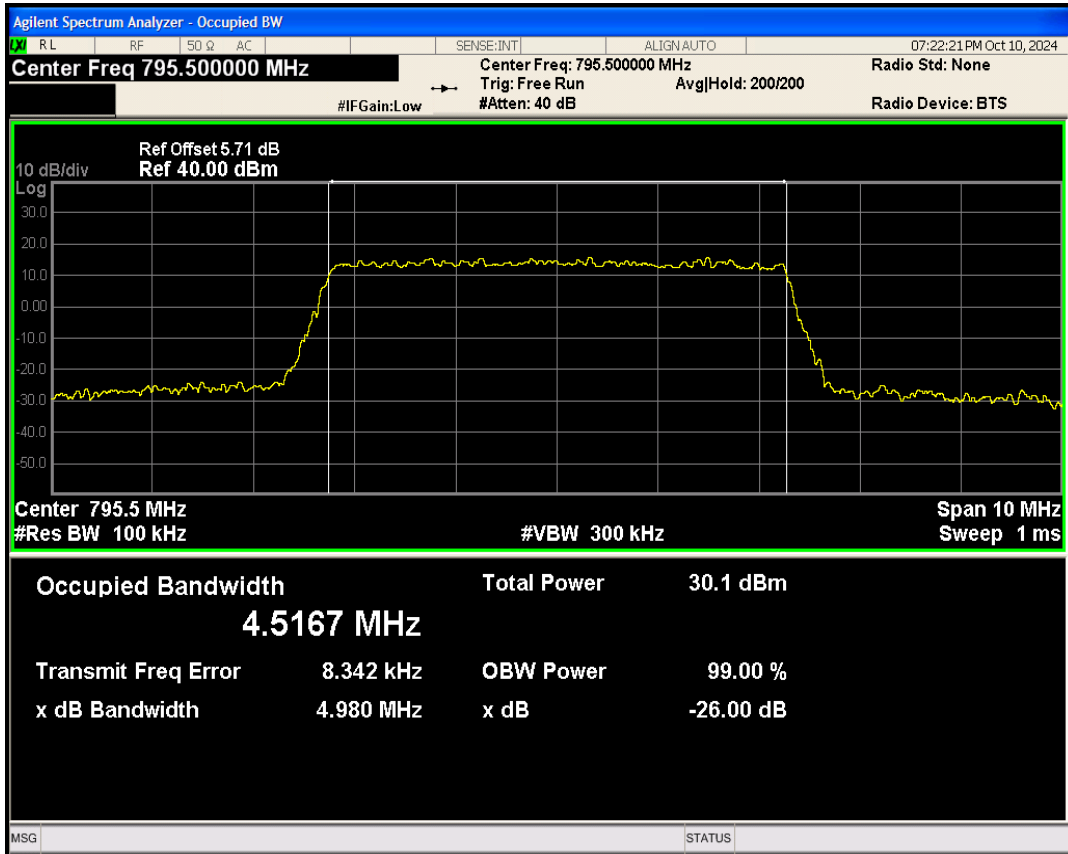
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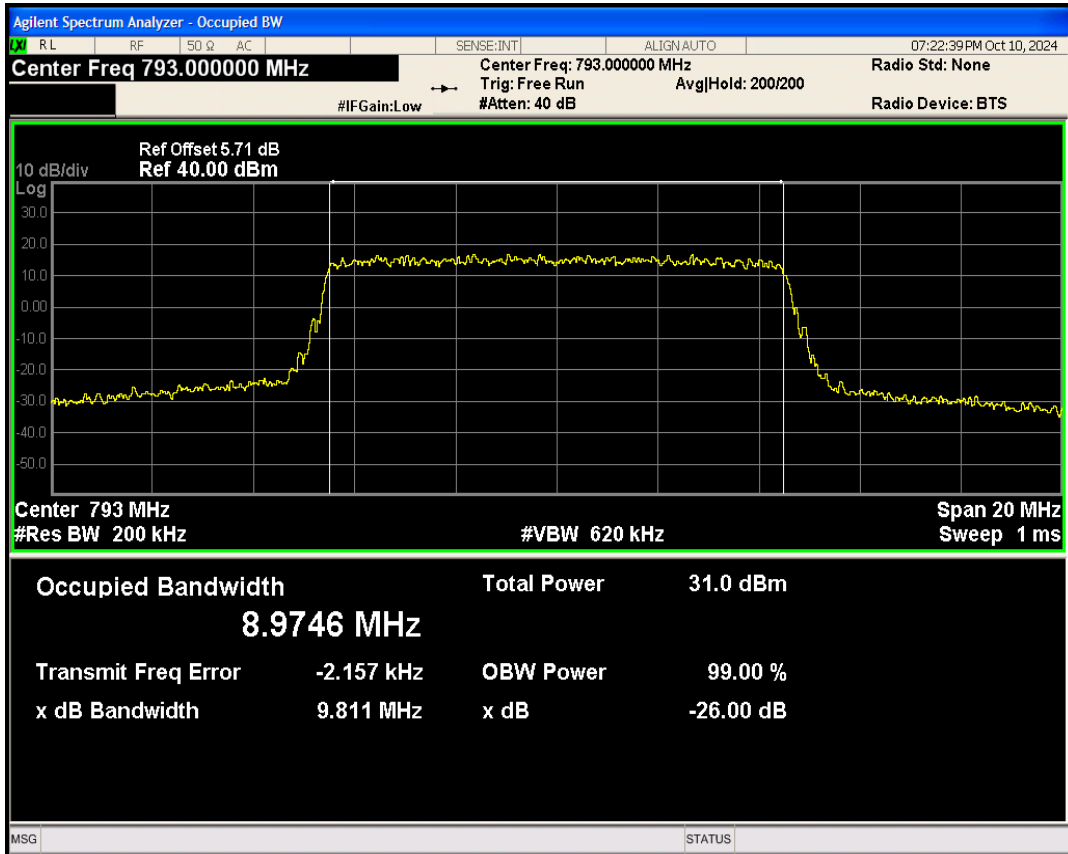
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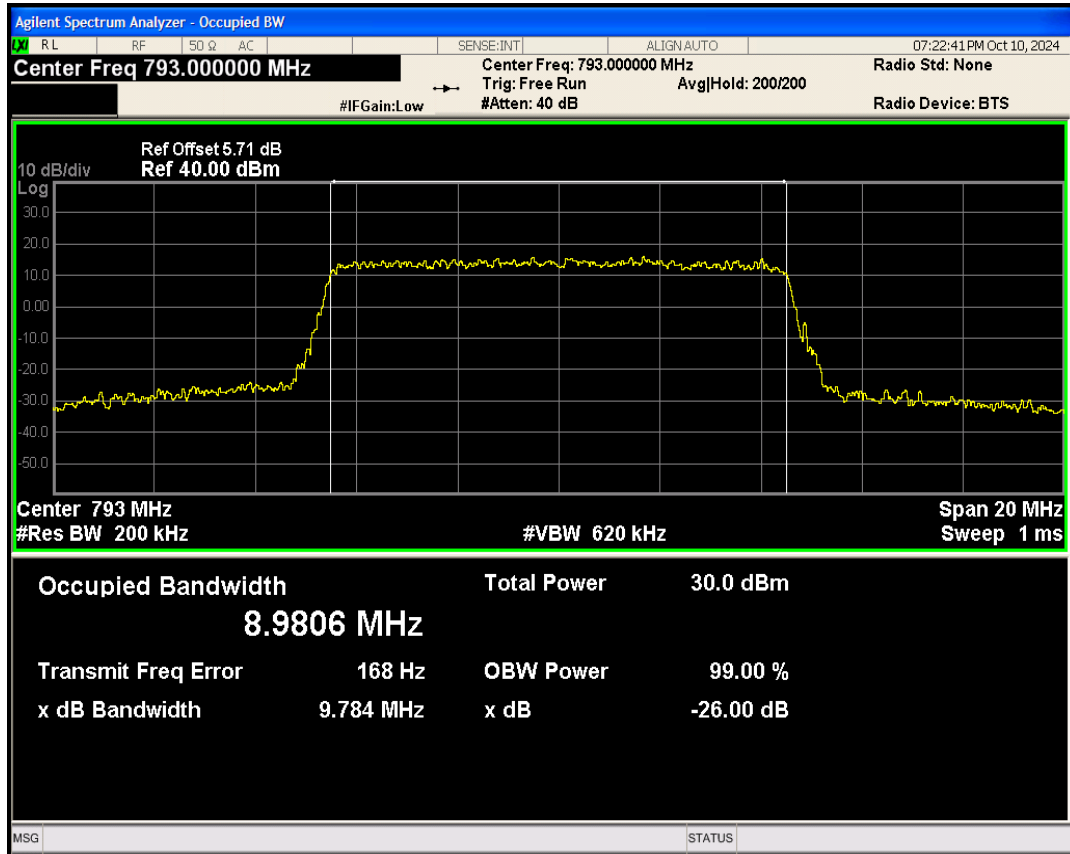
Band14 16QAM BW=5MHz Channel=23355 RB Size=25 Position=#0



Band14 QPSK BW=10MHz Channel=23330 RB Size=50 Position=#0



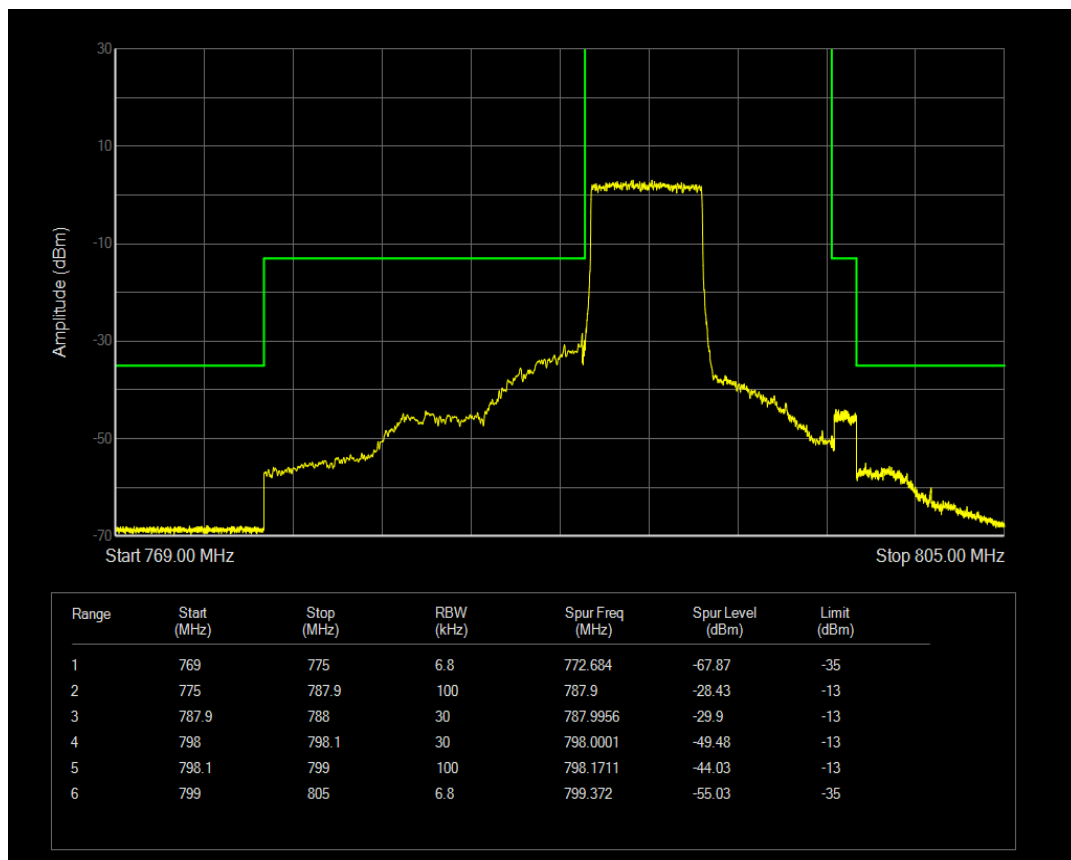
Band14 16QAM BW=10MHz Channel=23330 RB Size=50 Position=#0



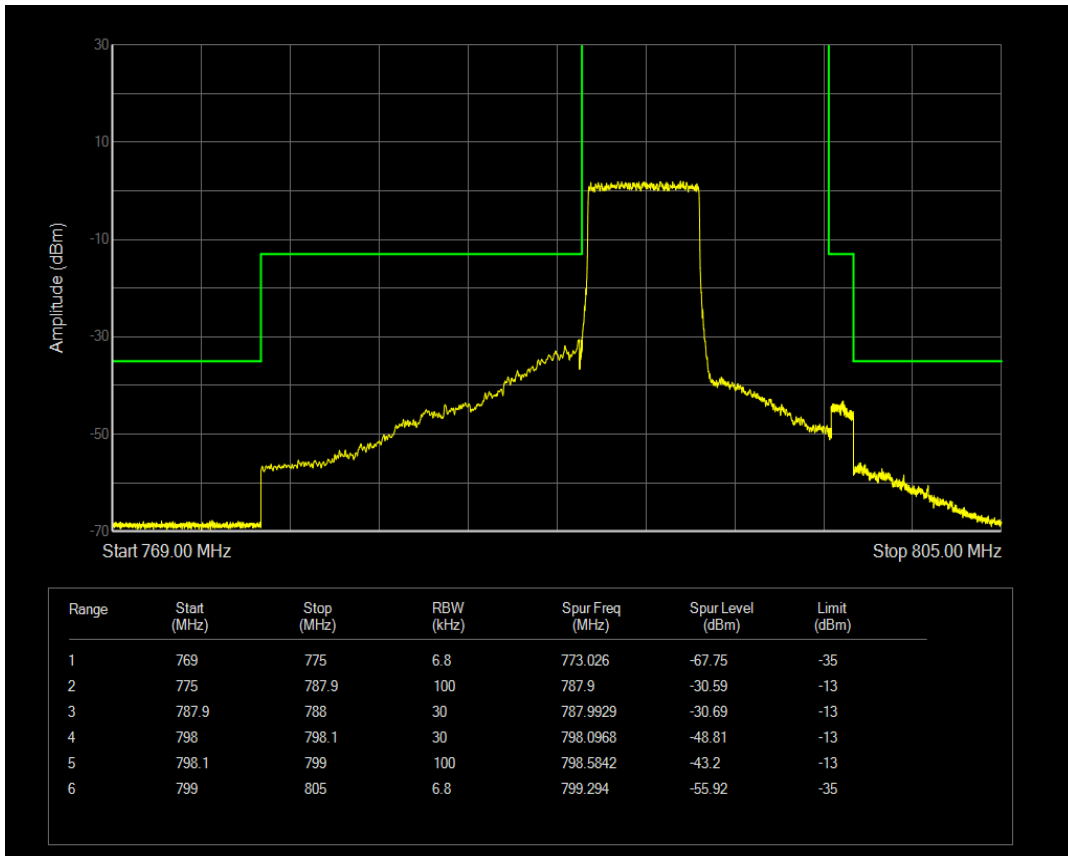
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band14	5	23305	25	#0	QPSK	787.90	-28.43	-13	PASS
Band14	5	23305	25	#0	16QAM	787.90	-30.59	-13	PASS
Band14	5	23355	25	#0	QPSK	799.07	-42.18	-35	PASS
Band14	5	23355	25	#0	16QAM	799.10	-44.27	-35	PASS
Band14	10	23330	50	#0	QPSK	799.07	-46.89	-35	PASS
Band14	10	23330	50	#0	16QAM	799.20	-48.06	-35	PASS

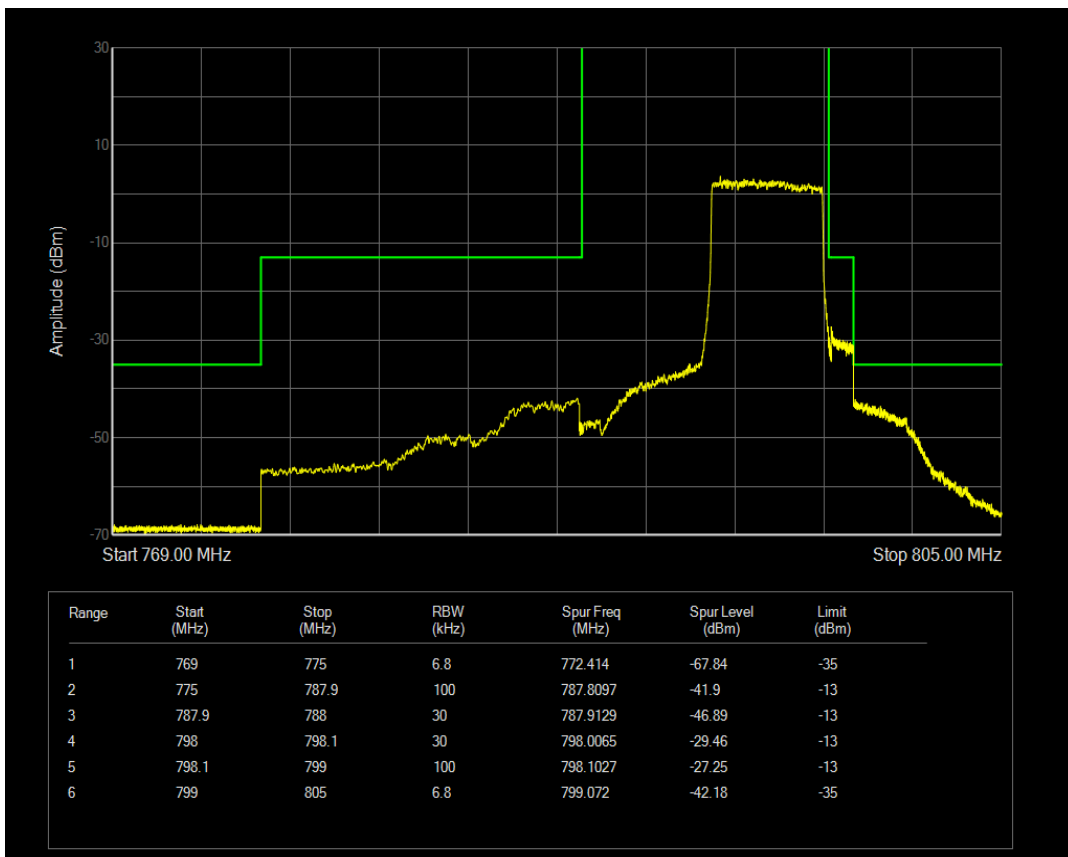
Band14 QPSK BW=5MHz Channel=23305 RB Size=25 Position=#0



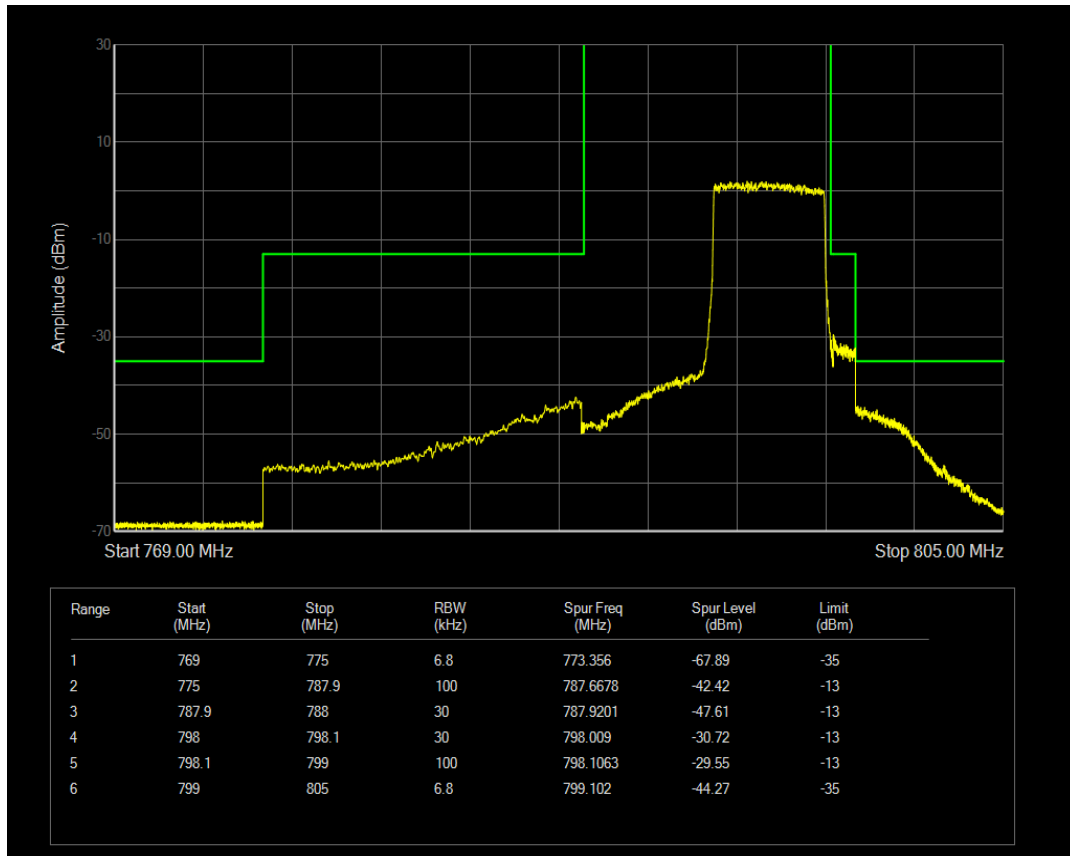
Band14 16QAM BW=5MHz Channel=23305 RB Size=25 Position=#0



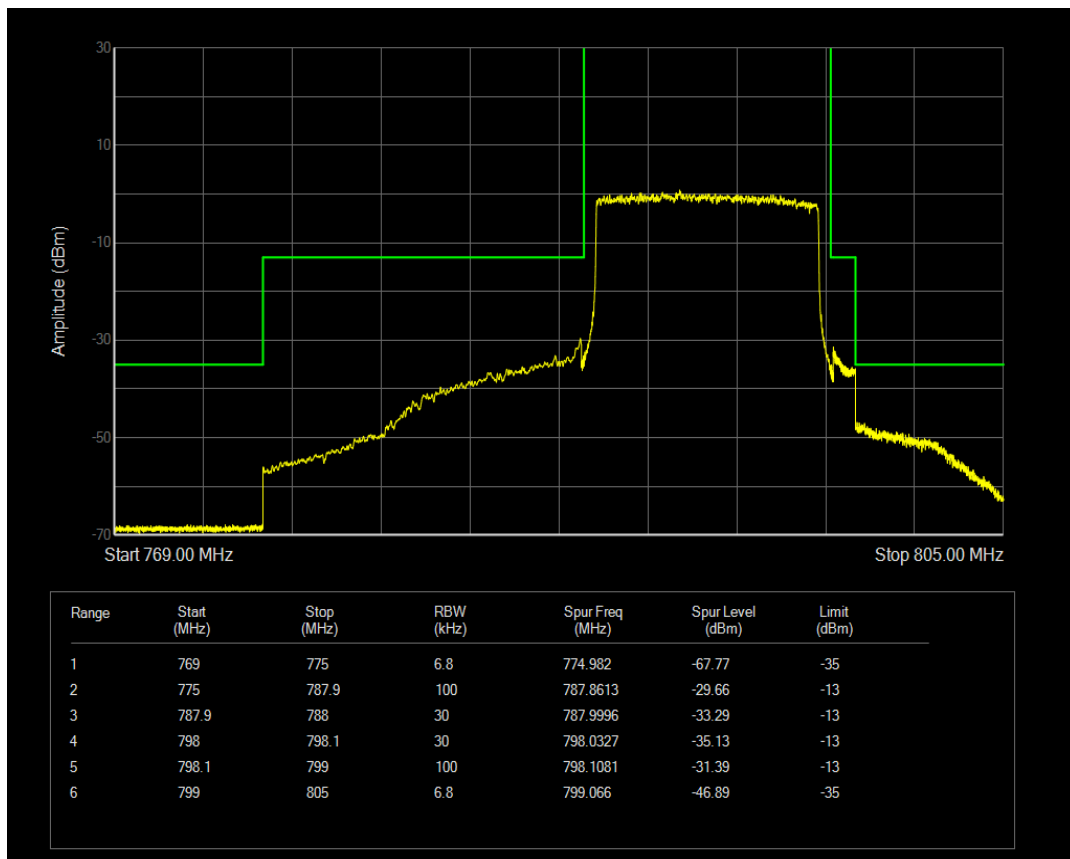
Band14 QPSK BW=5MHz Channel=23355 RB Size=25 Position=#0



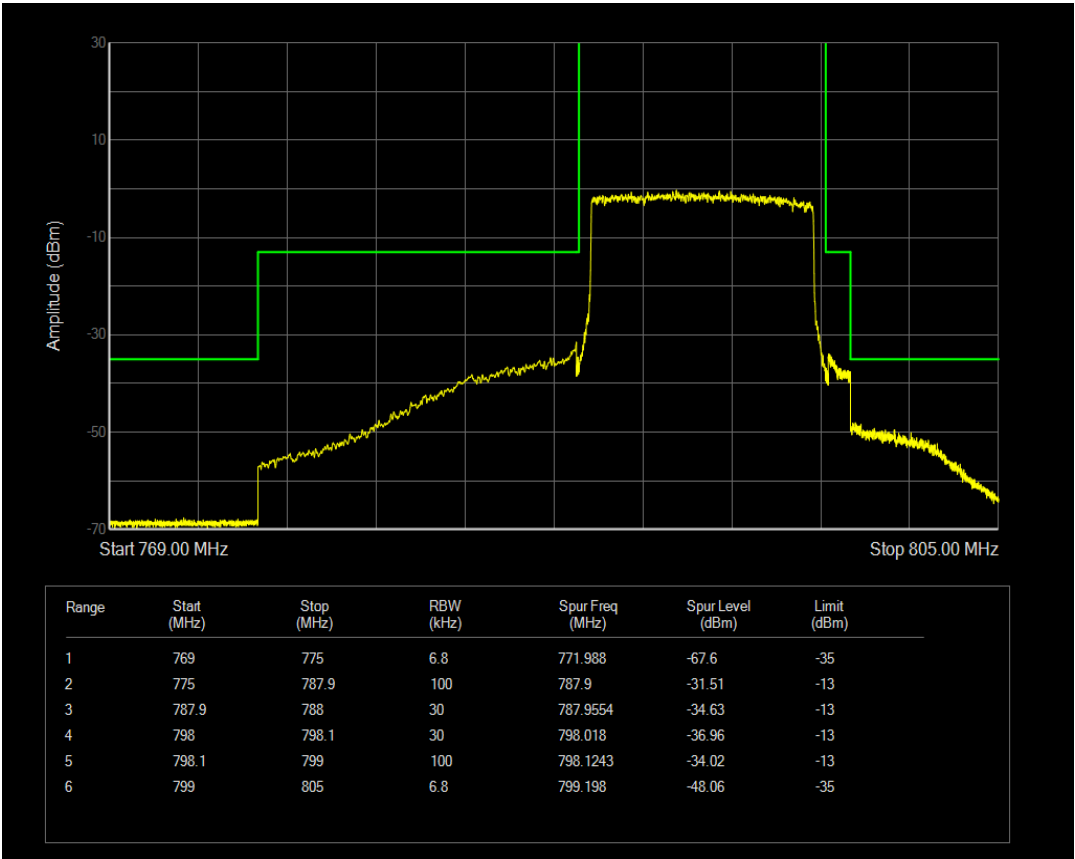
Band14 16QAM BW=5MHz Channel=23355 RB Size=25 Position=#0



Band14 QPSK BW=10MHz Channel=23330 RB Size=50 Position=#0



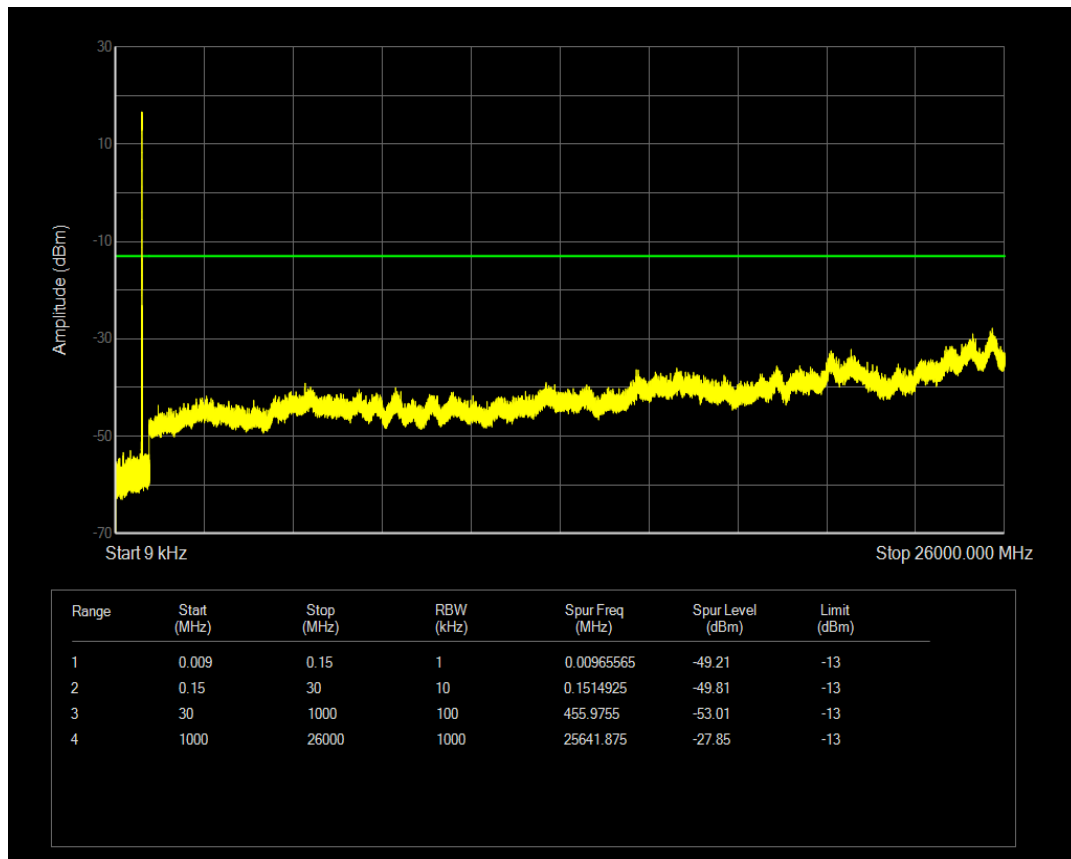
Band14 16QAM BW=10MHz Channel=23330 RB Size=50 Position=#0



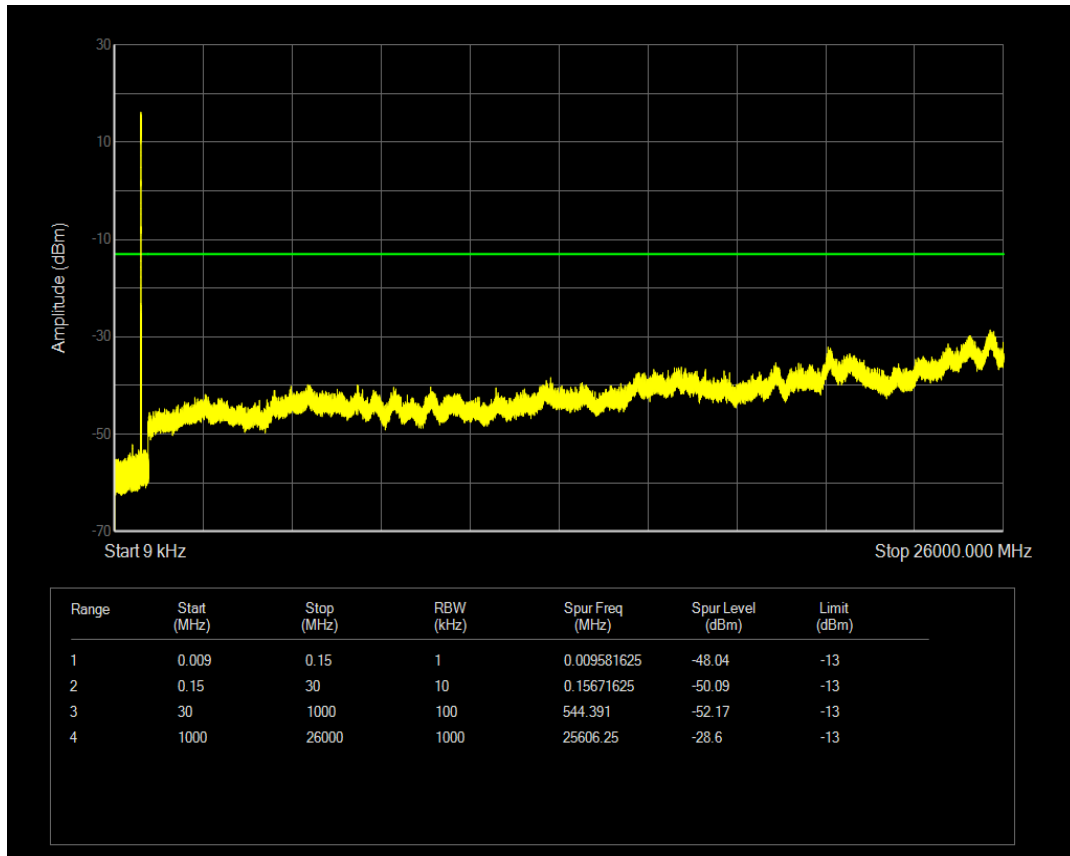
Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band14	5	23305	25	#0	QPSK	25641.88	-27.85	-13	PASS
Band14	5	23305	25	#0	16QAM	25606.25	-28.60	-13	PASS
Band14	5	23330	25	#0	QPSK	24978.75	-28.94	-13	PASS
Band14	5	23330	25	#0	16QAM	25636.88	-28.36	-13	PASS
Band14	5	23355	25	#0	QPSK	25648.75	-28.51	-13	PASS
Band14	5	23355	25	#0	16QAM	25631.25	-28.86	-13	PASS
Band14	10	23330	50	#0	QPSK	25655.00	-28.13	-13	PASS
Band14	10	23330	50	#0	16QAM	25656.25	-27.77	-13	PASS

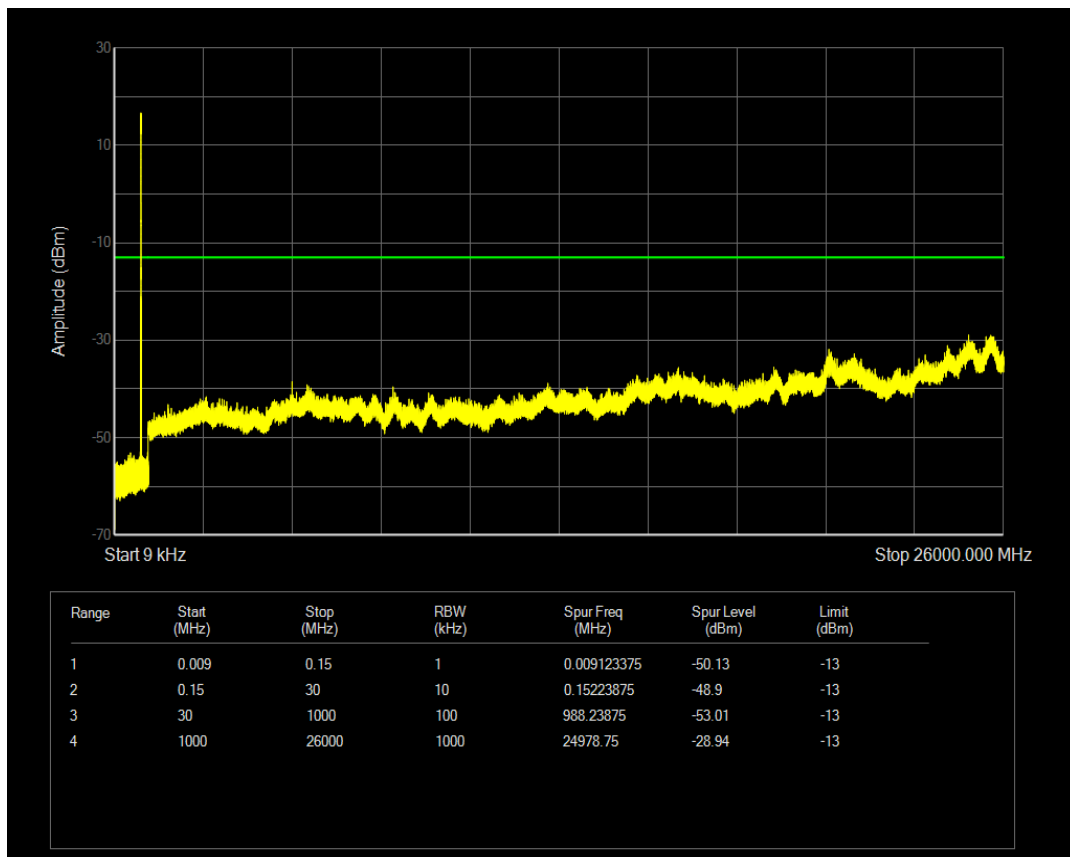
Band14 QPSK BW=5MHz Channel=23305 RB Size=25 Position=#0



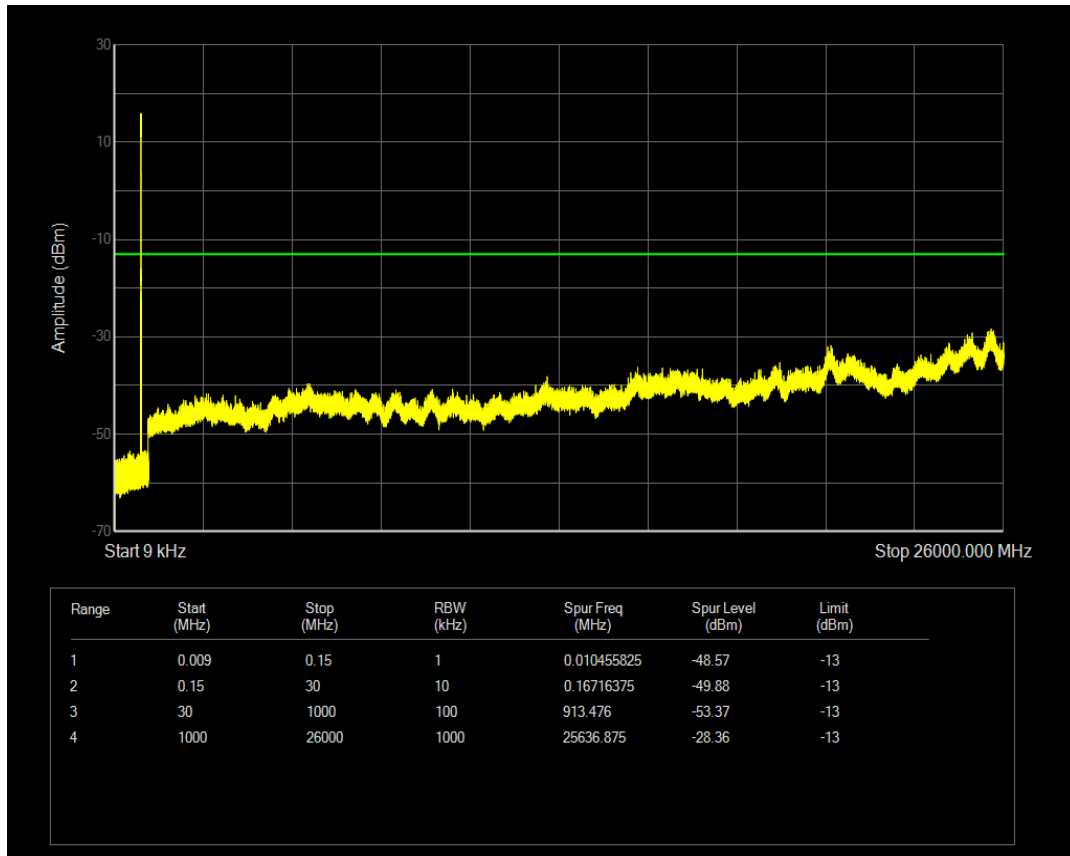
Band14 16QAM BW=5MHz Channel=23305 RB Size=25 Position=#0



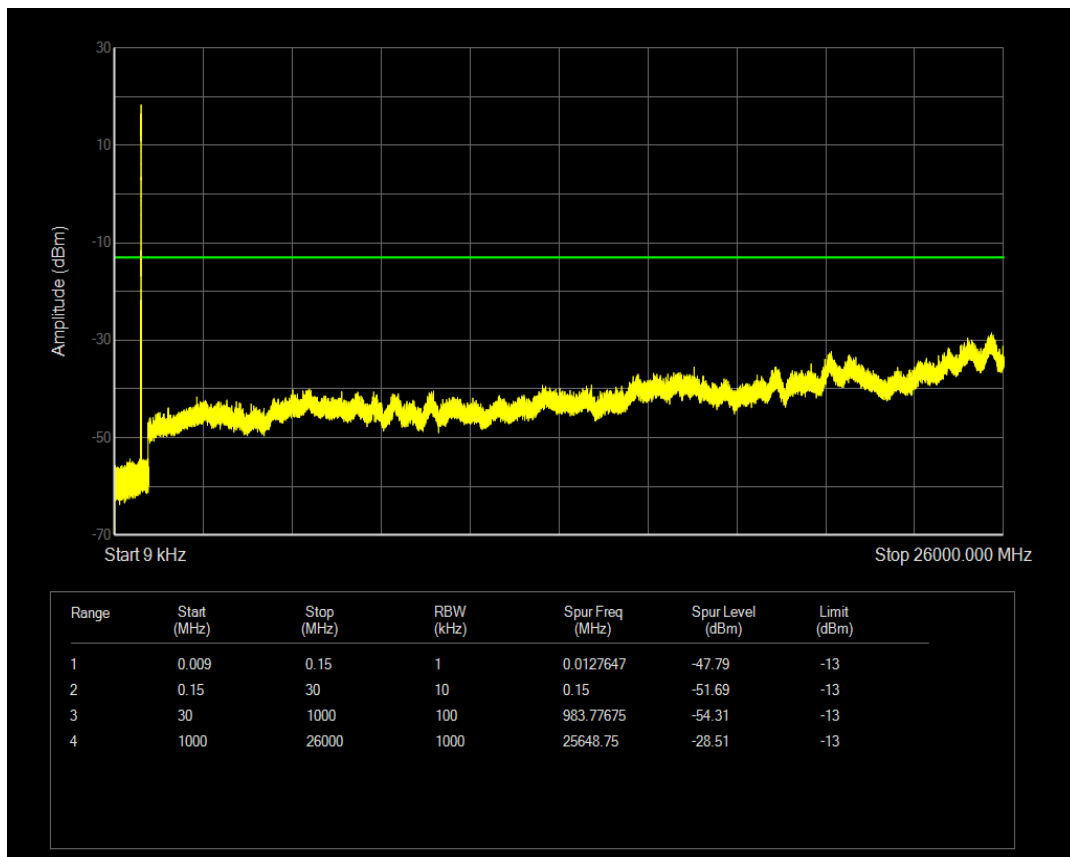
Band14 QPSK BW=5MHz Channel=23330 RB Size=25 Position=#0



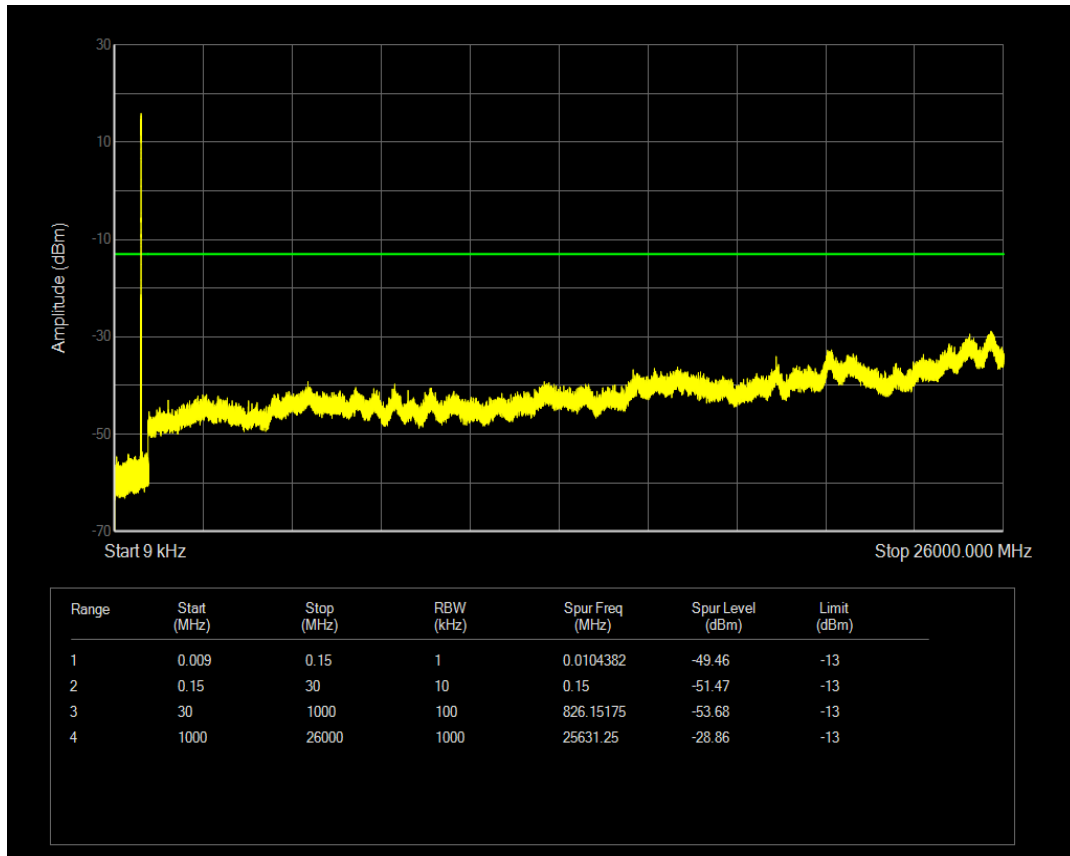
Band14 16QAM BW=5MHz Channel=23330 RB Size=25 Position=#0



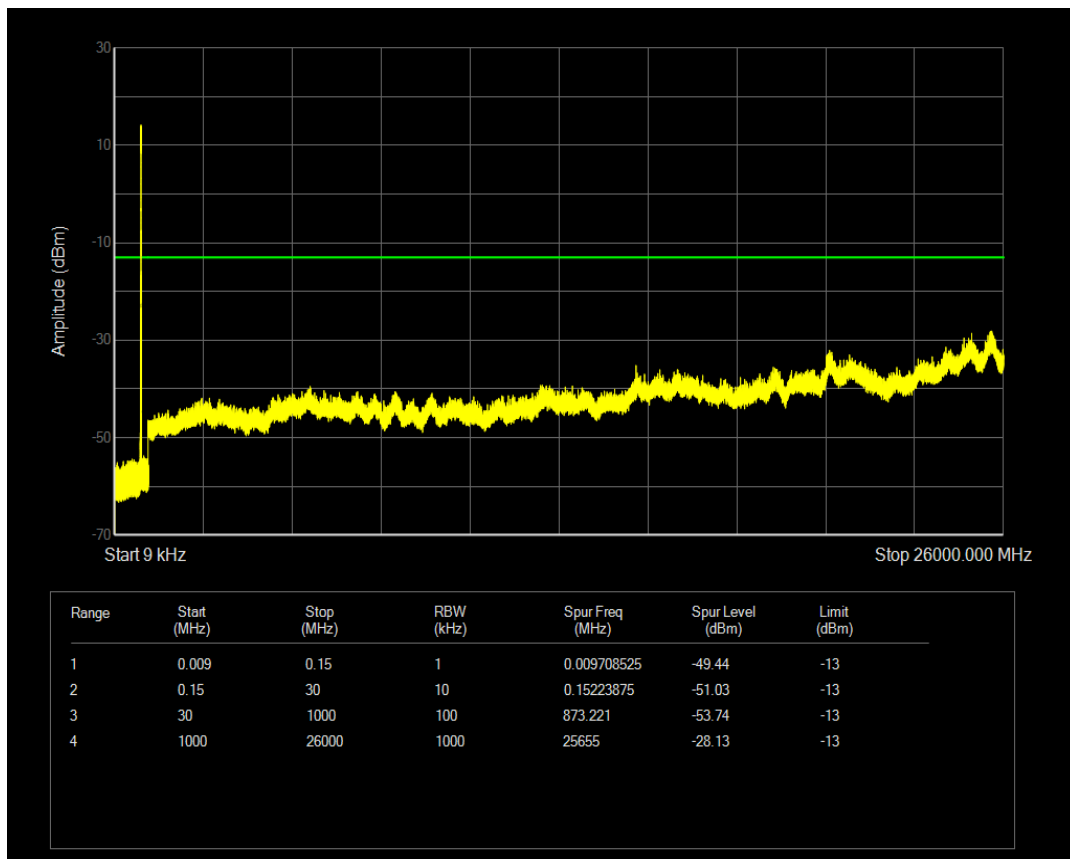
Band14 QPSK BW=5MHz Channel=23355 RB Size=25 Position=#0



Band14 16QAM BW=5MHz Channel=23355 RB Size=25 Position=#0



Band14 QPSK BW=10MHz Channel=23330 RB Size=50 Position=#0



Band14 16QAM BW=10MHz Channel=23330 RB Size=50 Position=#0

